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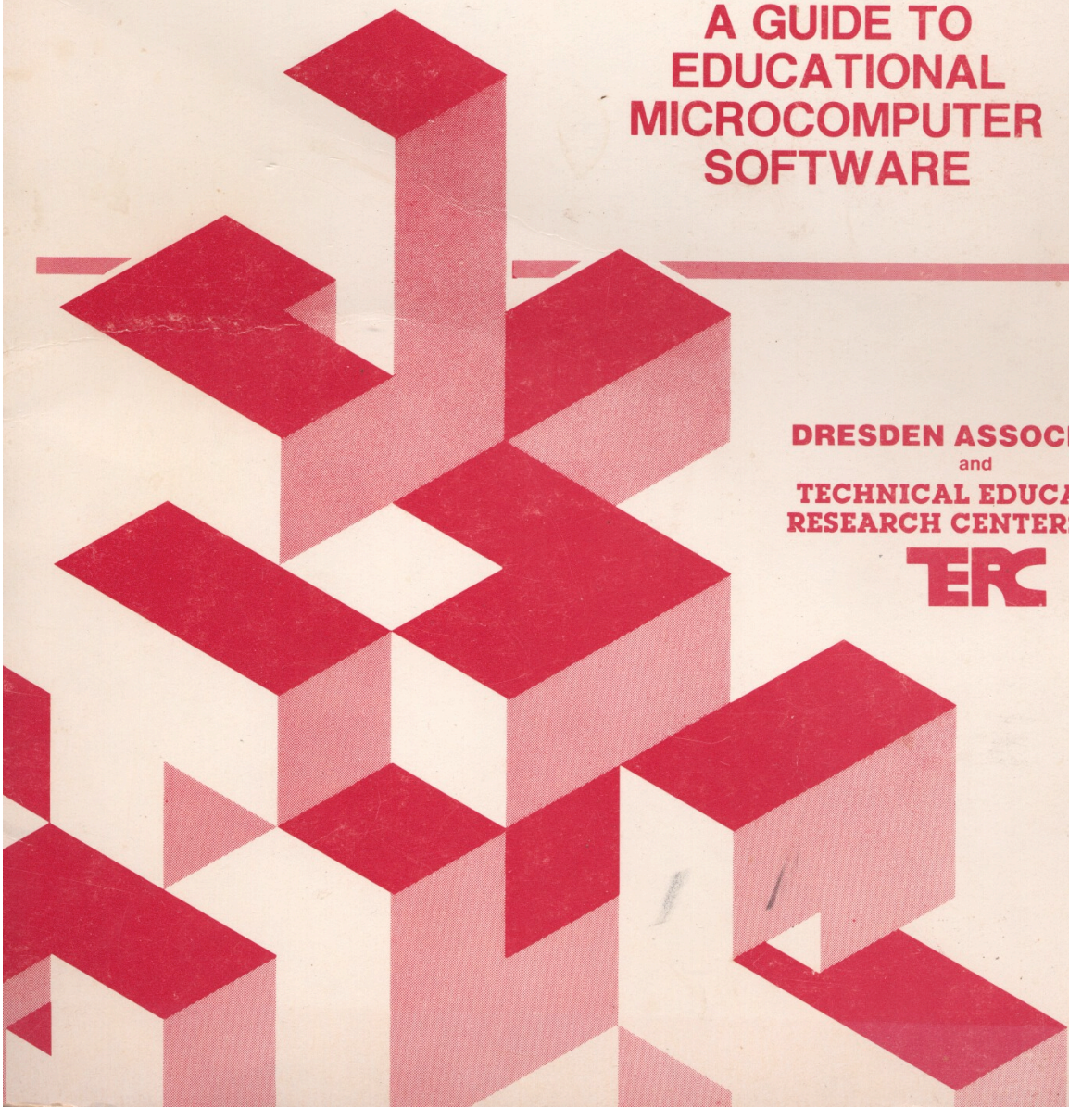
THE SOFTWARE FINDER

A GUIDE TO EDUCATIONAL MICROCOMPUTER SOFTWARE



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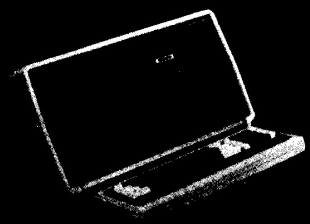

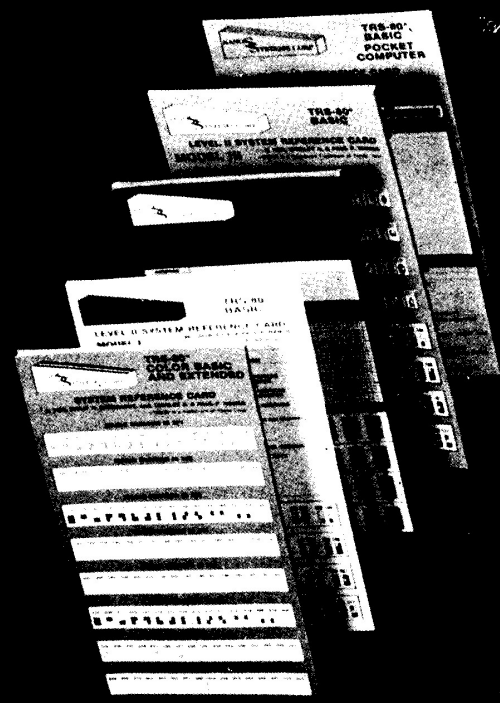

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Each card is a complete summary of the reference manuals and the microcomputer. Cards are two or more colors, printed on 80 pound Beckett Antique cover stock or a comparable stock, stretch-wrapped in plastic for shipping. They are accordion-foldup cards, in the same style as the traditional IBM reference cards used on the major computers for years. Fold-up size is eight and one-half by three and three-quarter inches, so they will fit easily into the shirt pocket. These cards provide a complete summary of the manuals plus many extras at your fingertips.

MODEL I

BASIC: Buff & Blue
5 Panels, 10 Pages
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Memory Map.
Easy Graphics.
Basic Statements.
Basic Functions.
Basic Facts.
Special Characters.
Basic Commands.
Edit Subcommands.
PRINT USING Examples.
Message & Codes.
Reserved Words.
Special Keys.
Ascii Character Chart, with Space Compression Codes.
Control Codes.
Basic Internal Codes.
Hex/Dec Conversion Chart.
Screen Line Layout.
BASIC & ASSEMBLER: Buff
8 Panels, 16 Pages
(For the Pro)
Complete Z80 Instructions.
Assembler Instructions, Commands, Operators.
Editor/Assembler Commands, and Edit Subcommands.
Flags, Conditions, & Chart.
Internal Routines.
Assembler Error Msgs.
Plus Most Items in the Basic Card

MODEL II

BASIC & ASSEMBLER: Green
10 Panels, 20 Pages
(For the Business)
Small Memory Map.
Screen Layout.
Easy Graphics.
Complete Z80 Instructions.
Series-1 Assembler Instr. Commands, Operators, and Edit Subcommands.
Assembler Error Msgs.
Power-up Error Msgs.
Flags, Conditions, & Chart.
Wild Cards, DOS Messages.
SVC Procedure Panel.
Host Logon Panel.
Version 2.0 Lib Command Formats and System Utility Formats.
Basic Functions & Statements.
DOS File Naming Convention.
Basic Commands & Edit Subcommands.
Special Keys.
Basic Internal Codes and Reserved Words.
Basic Msgs. & Codes.
PRINT USING Examples.
Special Characters.
"DO" Utilities & BASIC Command.
Ascii Character Chart with SVC Names and Numbers.
Control Codes.

MODEL III

BASIC: Blue & Buff
6 Panels, 12 Pages
(For the Classroom)
Special Characters.
Kana Characters.
Euro-Characters.
Memory Map.
Special Keyboard Functions.
Ascii Char. Chart w/Space Compression Codes.
Control Codes.
Cassette Loading Err Msgs.
Basic Commands, Edit Subcommands, Special Chars., Basic Statements, Facts, Functions, Derived Functions, Special Operations (POKEs).
PRINT USING Examples.
Basic Msgs. & Codes.
Basic Internal Codes.
Reserved Words.
Screen Line Layout.
BASIC & ASSEMBLER: Blue
10 Panels, 20 Pages
(For the Pro)
Complete Z80 Instructions.
Assembler Instructions, Commands, Operators.
Series I Editor/Assembler Commands & Edit Subcommands.
Flags, Conditions, & Chart.
Hex/Dec Conversion Chart.
Assembler Error Msgs.
Internal CALL Routines.
Break Processing Procedure.
Plus all items in the Basic card.

COLOR

BASIC & EXTENDED:
Grey + 9 Colors.
8 Panels 16 pages
(For the Artist)
All Color Graphics.
System Commands.
PRINT USING Examples.
Special Characters.
Special Keys.
Cassette Loading Err Msgs.
Basic Functions & Statements.
Playing Music, Making a Circle, and Drawing Panels.
Derived Functions.
Messages & Codes.
Musical Notes, by Octave, in Color, Including Rests and Time.
Memory Map.
Reserved Words.
Internal Codes.
A Page of Tips.
Ascii Char. Codes Chart.
Including Inverse Graphics and Color Graphics.
Control Codes.
Color Group Chart.
Pmode Information Summary.
Screen Line Layout.
Extended Graphics Pmode Illustrations.

APPLE II & II PLUS

BASIC: Red & Pink
7 Panels, 14 Pages
(For the Classroom)
48K Memory Map
APPLESOFT and INTEGER BASIC.
Basic Statements.
Basic Functions.
Derived Functions.
Special Characters & Operators.
System & Utility Commands.
Pokes, Peeks, Calls.
Monitor Commands.
Key & Control Functions.
APPLESOFT Internal Codes.
APPLESOFT Reserved Words.
Integer Basic Addressing.
DOS 3.3 Command Summary.
Color Selection Chart.
Error Msgs. & Handling.
Reading Machine Language.
Hex/Dec Conversion Chart
ASCII, Print, Video, 6502, Integer and APPLESOFT Code Reference Chart, 0-255.
Basic & 6502: Red
8 Panels, 16 Pages
(For the Pro)
All features of the Basic Card, Plus:
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6502 Language Simplified.
Flags & Conditions with Reference Chart.

POCKET

BASIC: Purple
5 Panels, 10 Pages
Operating Characteristics
Memory Types and Limitations.
Modes of Operation.
PRO Mode.
RUN Mode.
RESERVE Mode.
DEF Mode.
Fixed Variable Facts and References.
System Function Keys.
Math and Logic Function Keys.
Normal Character Keys.
Special Characters and Function Keys.
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Reserved Words.
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Derived Functions.
Basic Statements.
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( )		Copies of MODEL II SVC	2.95
( )		Copies of MODEL II COMMANDS & UTILITIES	3.95
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( )		Copies of MODEL III BASIC-ONLY	3.95
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( )		Copies of POCKET BASIC	2.95
( )		Copies of APPLE II & II PLUS BASIC	3.95
( )		Copies of APPLE II & II PLUS BASIC & 6502	4.95
( )		Copies of Z80	4.95
( )		Copies of ZX80, 81, & TIMEX SINCLAIR-1000	5.95
( )		Copies of HEATH/ZENITH HDOS for H8/H89/Z89/Z90	5.95

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P.O. BOX 24344
SPEEDWAY, IN 46224
(317) 244-4078

NAME: _____

ADDRESS _____

_____

CITY _____ STATE _____ ZIP _____

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THE SOFTWARE FINDER

A Guide to Educational Microcomputer Software

formerly

SCHOOL MICROWARE DIRECTORY

for

APPLE II,
ATARI 400/800
COMMODORE PET,
CBM, VIC-20, 64

RADIO SHACK TRS-80
Models I-III,
COLOR COMPUTER
CP/M *

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August 15-18	*Logo*
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TERC

TECHNICAL EDUCATION RESEARCH CENTERS, INC.

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I INTRODUCTION

Welcome to Issue 2 of the third volume of what was previously SCHOOL MICROWARE DIRECTORY. We apologize for the name change, as such things can sometimes be confusing, but it really was necessary. We were experiencing something of an identity crisis: First, it was not clear to a lot of people what was meant by MICROWARE - whether it referred to software, hardware, or some other "ware". Furthermore, the word DIRECTORY also has a lot of connotations. Many people thought that it referred to a dealer catalog, and therefore should be free - nice if you can get it, but totally unaffordable from our standpoint! So, we've decided to bite the bullet and change our name. We hope that you like it.

THE SOFTWARE FINDER (TSF) is the most comprehensive listing available of school- and college-oriented educational software for popular microcomputers. It is published semiannually in the fall and spring. Many unique features have been incorporated in this volume, all designed to make TSF more useful to our readers. Here are some of them:

o SIZE AND SCOPE

1. NEW! Software for eleven microcomputers: Apple II; Atari 400/800; Commodore PET/CBM, VIC-20, and 64; and Radio Shack TRS-80 Models I, II, and III, and TRS-80 Color Computer. Some CP/M software also is included.

2. NEW! HUNDREDS OF NEW PRODUCTS have been added, bringing the total listed in this issue to almost 2,800 coming from 320 suppliers.

3. SOFTWARE FOR ADMINISTRATIVE APPLICATIONS is included; this comprises micro programs to do attendance, report cards, scheduling, etc. Principals and business managers, take heed!

o INFORMATION CONTENT

1. REFERENCES TO REVIEWS in product descriptions help you to locate reviews of the products.

2. NEW! INDICATION OF "TONE" OF EACH REVIEW as positive, negative, or neutral; helps decide which products should be explored further for possible purchase.

3. PACKAGE IDENTIFIERS IN THE PRODUCT DESCRIPTIONS. These enable you to easily identify which products constitute a package and thus must be purchased together.

o ADVERTISING
This is the second issue in which we have carried advertising. In addition to being a necessary source of support, we view it as another valuable information source for our readers.

o CONVENIENCE

1. CUMULATIVE PUBLISHING FORMAT. Every issue is a full directory, containing all products listed in previous issues (as well as new entries, of course). You won't have to look through several issues to find what you're looking for.

2. CLASSIFICATION OF PRODUCTS BY TOPIC in crowded subjects, e.g., Math Basic Skills, making it much easier to find programs to meet your particular needs.

3. ALPHABETICAL INDEX BY PRODUCT. You will be able to quickly locate a product for which you know the name.

4. NEW! PRODUCT LOCATOR NUMBERS make finding product descriptions fast and easy.

o ECONOMY

NEW! DISCOUNT COUPONS bound in every copy allow subscribers to get 10 per cent off on the products of more than 25 suppliers.

We hope that you like all of the features incorporated in this issue of THE SOFTWARE FINDER.

WHO NEEDS TSF?

THE SOFTWARE FINDER is useful in many different situations, but especially in schools. School planners contemplating micro acquisition but uncertain about the availablility of software, find ample evidence in TSF that indeed there is a vast array of programs available. Furthermore, they can determine which microcomputers are supported with the sorts of software they need.

Teachers planning courses and curricula can use our directory as a handy reference for identifying those topics whose teaching could be supported easily by computer use as well as for locating programs/packages to be ordered. For special education teachers, THE SOFTWAE FINDER is a particularly rich source of new tools to assist in providing interesting, stimulating, and effective learning environments. Likewise, media center personnel whose responsibilities include management of instructional computing find it useful in locating materials to be acquired.

In a related area, TSF can be quite useful to schools of education for planning and implementing programs to support school use of microcomputers. It also should be helpful to software evaluators as a point of departure in defining their universe of operation.

In other areas, home computer users can turn to THE SOFTWARE FINDER as a bountiful source of ideas for concrete uses of their systems. Likewise, here they will find software to help realize those ideas. On the commercial side of things, SMWD is a valuable aid to computer store personnel as a means of helping their clients apply their products to teaching/learning tasks in many varied environments.

ORGANIZATION OF THE SOFTWARE FINDER

The balance of this issue is organized broadly into three sections. Section II, which is divided into three subsections, concerns instructional software. The remaining sections comprise a listing of software for administrative applications (III) and an alphabetical listing of software suppliers' addresses and telephone numbers (IV). A glossary and index also are included.

Section II requires some explanation. It includes all products intended to support the teacher and classroom functions, running the gamut from simple drills to teacher gradebook programs and full-blown computer managed instruction systems. Subsection II-1 contains the most complete entries; it is sequenced by school department and within that by subject, in some cases by topic, and by grade level.

Subsection II-2 contains separate listings of software for Apple, Atari, PET/-CBM, VIC-20, Commodore 64, and TRS-80 Mod I/III, and TRS-80 Color Computer. These listings, whose entries are abbreviated, are sequenced the same as those in II-1. In the interests of providing more detailed information, Subsections II-1 and II-2 contain separate entries for all products, even though some of those products are sold only as parts of packages which suppliers will not separate. Subsection II-3 lists all packages and tells what programs are included in each of them (see page 3 for more information on packages).

HOW TO USE TSF TO FIND SOFTWARE

Readers who are interested in finding software for particular curriculum areas, irrespective of hardware system, should go directly to Section II-1 which immediately follows this introduction. Those who are interested only in software for a particular hardware system may wish to consult first the applicable summary listing in Section II-2 and then use the product locator numbers provided there, giving page and location within page, to find expanded entries in II-1. Readers who are looking for administrative software should of course refer directly to Section III. Instructions for use are given at the beginning of the sections just mentioned. The addresses and telephone numbers of the suppliers named will be found in Section IV.

PRICES

Most entries in Sections II-1 and III include prices for the products described. We have been asked by several software suppliers to tell our readers that prices are subject to change at any time without notice, and that they should contact suppliers for the latest price information before ordering. Also, readers should be aware that most orders will be subject to additional charges (usually nominal) for shipping and handling.

REPRINTS OF SMWR REVIEWS NOW AVAILABLE

Reprints of individual reviews appearing in SCHOOL MICROWARE REVIEWS, TSF'S companion publication, are now available. The single-copy price is $1.50 including postage. An order blank listing all reviews published to date follows the Index in this volume.

FEEDBACK NEEDED

We want to make THE SOFTWARE FINDER as useful as possible to our readers. We would appreciate your help in improving it. Please send us your thoughts about what you would like to see (or not to see). We will try to be responsive.

PUBLICATIONS CITED IN REFERENCES TO REVIEWS

Hundreds of software description entries in Subsection II-1 contain references to reviews consisting at least an abbreviation for the name of a publication and in most cases an issue number or date. This list gives the publishers' addresses for the publications referred to. It is organized alphabetically by the abbreviations used in II-1; these are shown here at the top left corner of each entry.

80M - 80 Microcomputing
80 Pine Street
Peterborough, NH 03458

BR - The Book Report
2950 North High Street
P.O. Box 14466
Columbus, OH 43214

BY - BYTE
70 Main Street
Peterborough, NH 03458

CC - Creative Computing
P.O. Box 789-M
Morristown, NJ 07960

CCN - Classroom Computer News
341 Mt. Auburn Street
Watertown, MA 02172

CCS - Creative Computing
Software Buyer's Guide 1982
P.O. Box 5214
Boulder, CO 80321

CMP - Compute!
P.O. Box 5406
Greensboro, NC 27403

CP - Cider Press

CPR - Curriculum Product Review
Pitman Learning, Inc.
530 Unviersity Avenue
Palo Alto, CA 94301

CR - Curriculum Review
517 South Jefferson
Chicago, IL 60607

CRC - Courseware Report Card
150 West Carob Street
Compton, CA 90220

CTG - Closing The Gap
Route Two Box 39
Henderson, MN 56044

CT & TCT - The Computing Teacher
Department of Computer & Information Science
University of Oregon
Eugene, OR 97403

CUE - CUE Newsletter, Computer Using Educators
c/o Don McKell, Independence High School
1776 Education Park Drive
San Jose, CA 95133

EC - Educational Computer
P.O. Box 535
Cupertino, CA 95015

ECG - Educational Computing
8 Herbal Hill
London EC1 5JB England

EE - Electronic Education
Electronic Communications
1311 Executive Center Drive
Suite 220
Tallahassee, FL 32301

80M - 80 Microcomputing
80 Pine Street
Peterborough, NH 03458

EL - Electronic Learning
902 Sylvan Avenue
Englewood Cliffs, NJ 07632

ER(81) - EPIE Report #98/99m
EPIE Institue
P.O. Box 620
Stony Brook, NY 11790

ET - Educational Technology
140 Sylvan Avenue
Englewood Cliffs, NJ 07632

HO - Hands On!
c/o TERC
8 Eliot Street
Cambridge, MA 02138

IA - Interface Age
16704 Marquardt
Cerritos, CA 90701

IN - Info Age
Plesman Publications Ltd.
211 Consumers Road-Suite 302
Willowdale, ONT M2J 4G8 Canada

IW & I/W - Info World
375 Cochituate Road
Framingham, MA 01701

JCMST - Journal of Computers in Math & Science Teaching
P.O. Box 4455
Austin, TX 78765

JCR - Journal of Courseware Review
P.O. Box 4455
San Jose, CA 95159

JRM - JEM Reference Manual Vol. 1 Release II
JEM Research
University of Victoria
Discovery Park/P.O. Box 1700
Victoria, BC V8W 2Y2 Canada

JSET - Journal of Special Education Technology
Exceptional Child Center
Utah State University
Logan, UT 84322

KM - Kilobaud Microcomputing
80 Pine Street
Peterborough, NH 03458

LNG - Learning Magazine
Subscription Department
1255 Portland Place
Boulder, CO 80321

MCG - Microcomputing

MI - Micro
P.O. Box 6502
Chelmsford, MA 01824

MJ - MACUL Journal
c/o Lary Smith, WCISD
33500 Van Born Road
Wayne, MI 48184

MM - Media & Methods
American Society of Educators
1511 Walnut St.
Philadelphia, PA 19102

MR - Media Review
343 Manville Road
Pleasantville, NY 10570

MSN - MicroSIFT News
Northwest Regional Education Laboratory
300 S.W. Sixth Avenue
Portland, OR 97204

MT - The Mathematics Teacher
1906 Association Drive
Reston, VA 22091

MUN - MECC Users Newsletter
MECC Publications
2520 Broadway Drive
St. Paul, MN 55113

PC - PC Magazine
Software Communications Corp.
1528 Irving Street
San Francisco, CA 94122

PCA - Personal Computer Age
10057 Commerce Avenue
Tujunga, CA 91042

PLG - Peelings II
P.O. Box 188
Los Cruces, NM 88004

PM - Purser's Magazine
P.O. Box 466
El Dorado, CA 95623

POC - Popular Computing
Box 590
Martinsville, NJ 08836

PRC - Personal Computing
50 Essex Street
Rochelle Park, NJ 07662

PT - The Physics Teacher
American Assoc of Physics Teachers
Graduate Physics Building
State University of New York
Stony Brook, NY 11790

RB - The Rainbow
5803 Timber Ridge Drive
P.O. Box 209
Prospect, KY 40059

S-80 - The S-Eighty
6 South Street
Milford, NH 03055

SMW - School MicroWare Reviews
Dresden Associates
P.O. Box 246
Dresden, ME 04342

SS - Softside
6 South Street-Box 68
Milford, NH 03055

ST - Softalk
Softalk Publishing Co.
Box 60
North Hollywood, CA 91601

TCT - See CT (above)

TEC - The Electronic Classroom
150 West Carob Street
Compton, CA 90220

THEJ - T.H.E. Journal
P.O. Box 992
Acton, MA 01720

II-1 INSTRUCTIONAL SOFTWARE DESCRIPTIONS

II is concerned with software to support the teacher and classroom activities. Subsection II-1 contains the most detailed information about each product; it is sequenced by school department and within that by subject. In cases where there are many product entries for a given subject, that subject is further broken down into broad topic areas. Within a subject/topic, all entries are sequenced by lowest applicable grade level. Products are not listed here by hardware system; rather all the applicable hardware systems are indicated in each entry. The reader is directed to Subsection II-2 for by-hardware listings.

A purely fictitious product entry is shown below for purposes of discussion. Note that there is a heading indicating continuation of the department MATHEMATICS and subject Algebra from the preceding page. The name of the program is QUADFORM. The dagger symbol (†) at the left end of the first line name indicates that this is the first time that this product has been listed in THE SOFTWARE FINDER (over 800 new listings included in this issue).

The per cent sign (%) immediately to the left of the product name refers to the fact that a 10% discount is available on this product upon presentation of a TSF Discount Coupon (bound in this issue following the Index). To the right of the name QUADFORM is the word "(Tutorial)", indicating the type of program being described. The program types used are defined in the Glossary.

In the second line, the subject (Algebra) and grade levels are stated. Lines 3 through 5 describe what the product does. The sixth line lists the hardware system(s) for which the product is supplied (Commodore CBM and PET). Line 7 states the programming language in which the program is written (BASIC) and the minimum hardware required. It is in this and the last line that several letter symbols and abbreviations have been used; their meanings are given in the Table at right. Note that "K" following a number (8K in the case of the QUADFORM program) refers to the size of computer memory required in 1000's of bytes.

The word "tape" in the sample entry means that the program is supplied on tape and that the user's computer system need only include a cassette tape recorder to load and run the program. Note that the hardware configurations shown are the minimum required. In many cases, products for which the medium tape is stated are also supplied on diskette and also may be able to use additional memory. Readers are urged to verify hardware, language, and distribution media in suppliers' literature before ordering.

The next to last line gives the name of a supplier (usually the primary source) for the product and its retail price (the price of the package in which it is included in the case of QUADFORM - see below). We endeavor to keep prices current, but one should confirm prices with the supplier before ordering.

The abbreviations and numbers in parentheses following the price refer to the fact that the program QUADFORM is distributed as part of a package (pk70) which contains a total of 5 programs (5p). A package is a collection of independent programs which are combined for purposes of distribution and which usually cannot be purchased separately, even though they may be related to completely different topics and even different disciplines. Note: The price shown for a product which is part of a package ($27.95 in this case) is the price of the entire package, since the individual programs cannot be purchased separately.

The identity of the other programs in the package with QUADFORM can be determined by referring to the entry for package 70 in Subsection II-3. The programs are listed individually in TSF so as to give a more complete picture of what is actually being offered. The two asterisks (**) following the package designation refer to a footnote indicating explanatory information here and in Subsection II-3.

Several hundred entries also include a final line similar to the one shown here which give references to one or more reviews of the product being described. Note that the line begins with the heading "Rev's:" in boldface type. This is followed by one or more citations, each consisting of an abbreviated publication name and a date or issue number. The abbreviations are explained in the table on page 2. For example, the reference TCT 3/81 means that a review of the product appeared in the March, 1981 issue of The Computing Teacher. A review citation also may include a (+), (-), or (0), indicating that the general tone of the review was, respectively, positive, negative, or neutral.

Misc. Abbreviations and Special Symbols Used in Subsections II-1 and II-3

**and dagger	See footnote on page where used.
Ap (or App)	Apple II computer.
At	Atari computer.
DAC brd	Digital-to-analog converter.
d, dsk	Disk (diskette).
t	Cassette tape recorder.
K	Thousands of bytes, a measure of memory needed.
opt	Optional.
p	Programs (referring to no. of programs in a pkg.
P	PET computer.
pk	Package (see definition above).
prntr, ptr	Printer.
rdr	Reader.
TRS	TRS-80 computer.

HYPOTHETICAL PRODUCT ENTRY

Line 1:
- This is a new entry this issue.
% - Use TSF Discount Coupon to get 10% off on this product.
QUADFORM - Name of the product.
(Tutorial) - Type of program; see Glossary for definitions.

Line 2:
The subject or topic and the grade levels for which the product is intended.

Lines 3-5:
Description of what the product does.

Line 6:
The product is supplied for the Commodore CBM and PET.

MATHEMATICS: Algebra (CONT)

†%QUADFORM (Tutorial)
Subj/Topic: Algebra **Grades:** 8-11
Description: The Quadratic Formula is reviewed; quadratic equations with complex roots are provided for solution.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Soft-Ed $27.95 (pk22,5p)**
Rev's: TCT 3/81(+)

Line 7:
BASIC - QUADFORM is written in BASIC.
8K - Min. memory required is 8,000 bytes.
tape - Computer must have a cassette recorder to load and run the program.

Line 8:
Sce: Soft-Ed - The primary source of the program is the company Soft-Ed (see Sect IV for addresses & telephone nos.)
$27.95 - Last price we have is $27.95.
(pk22,59)** - The price given is for Package No. 22 which contains the program QUADFORM and 5 others. Packages are explained above; their contents are listed in Section II-3.

Line 9:
TCT 3/81 - A review of this product appeared in the March, 1981 issue of The Computing Teacher.
(+) - The TCT review was generally positive.

BUSINESS

†WORD COMMANDER - BUSINESS (Rote drill)
1)**Subj/Topic:** General **Grades:** 7-12
Description: Provides practice in vocabulary & definitions suited to business education areas.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K+ disk or tape
Sce: Edco $50

BUSINESS: Accountg/Bookg

BUSINESS VOL 3- ACCOUNTING (Computl tool)
2)**Subj/Topic:** Accountg/Bookg **Grades:** 9-12
Description: Gives real experience with automated acctg systs; incl gen ledger, accts payable/receivable & invent control.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+2dsk,132col p
Sce: Minn Ed Comp Consrt $48.60

MICROCOMPUTR APPL'NS/ACCTG (Tutorial)
3)**Subj/Topic:** Accountg/Bookg **Grades:** 9-12
Description: Students maintain complete set of financial records for a business; use computer to apply the concepts.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap,PET16K/TR32K+d
Sce: McGraw-Hill (Gregg) $125

TESTING PROGRAM/ACCOUNTING (Skills pract)
4)**Subj/Topic:** Accountg/Bookg **Grades:** 9-12
Description: Multiple-choice test for each chapter, covering vocabulary and concepts.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap,PET16K/TR32K+d
Sce: McGraw-Hill (Gregg) $125

BUSINESS PACKAGE III (Concept demo)
5)**Subj/Topic:** Accountg/Bookg **Grades:** 9-12
Description: Includes 3 programs: Chart of Account Entry, Journal Entry & Report Print. Requires a printer.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Micro Learningware $24.95

T-ACCOUNTS (Skills pract)
6)**Subj/Topic:** Accountg/Bookg **Grades:** 10-12
Description: Practice in posting 10 transactions to T-accounts.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Robert Baker $19.95

GENERAL LEDGER (Skills pract)
7)**Subj/Topic:** Accountg/Bookg **Grades:** 10-12
Description: Accepts journal entries, prints proof, allows corrections to journal, & posts entries to the ledger.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Micro Learningware $24.95

DEPRECIATION (Computl tool)
8)**Subj/Topic:** Accountg/Bookg **Grades:** 10-12
Description: Calculates depreciation by the straight line, double declining balance, or sum of the years digits method.
Syst(s): PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET, 16K TRS
Sce: Micro Learningware $7.95

PRINCIPLES OF ACCOUNTING (Tutorial)
9)**Subj/Topic:** Accountg/Bookg **Grades:** 11-12
Description: Complete survey course from definition of assets to year-end accounting;req's Educ'l Syst Master Cart'dg @$30.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Atari Inc. $29.95

BUSINESS VOL 2 - PAYROLL (Simulation)
10)**Subj/Topic:** Accountg/Bookg **Grades:** 9-12
Description: Simulates payroll system including building financ/empl/tax files; prints qrtly & yrly reports; has 12 progs.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + 2 dsk, prtr
Sce: Minn Ed Comp Consrt $38.80

ACCOUNTING I (Tutorial)
11)**Subj/Topic:** Accountg/Bookg **Grades:** 11-12
Description: Introduces, gives practice with basic accounting concepts including double entry bookkeeping.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

ACCOUNTING II (Tutorial)
12)**Subj/Topic:** Accountg/Bookg **Grades:** 11-12
Description: Introduces journals, ledgers, and financial statements with many graphic illustrations.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

BUSINESS: Business Math

TAXING! (Tutorial)
13)**Subj/Topic:** Business Math **Grades:** 9-12
Description: Provides random "facts" for use in practice with 1040 form; ans key given for ea. student; also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk107,2p]**

RULE OF 78 (Concept demo)
14)**Subj/Topic:** Business Math **Grades:** 9-12
Description: Calculates interest due by the Rule of 78 when loans are paid off prematurely.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Indian Head Softwe $2.95

BANK RECONCILIATION (Computl tool)
15)**Subj/Topic:** Business Math **Grades:** 9-12
Description: Program reconciles a bank statement given balance, checks written & outstanding, & charges.
Syst(s): PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET, 16K TRS
Sce: Micro Learningware $7.95

ANNUITIES (Computl tool)
16)**Subj/Topic:** Business Math **Grades:** 10-12
Description: Calculates amount that can be accumulated with an initial investment at specified rate and number of periods.
Syst(s): PET TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

LOAN AMORTIZATION (Computl tool)
17)**Subj/Topic:** Business Math **Grades:** 10-12
Description: Computes either payment amounts, no. periods, interest rate, term of loan, or total interest; prints sched.
Syst(s): PET TRS-80
Lang/Min Hdwre: BASIC; 16K+tape;prtr opt
Sce: Micro Learningware $7.95

BUSINESS: Business Princs

†%VIC LEMONADE (Educ'l game)
18)**Subj/Topic:** Business Princs **Grades:** 5-12
Description: Classic economics game for 2 players; tunes & color graphics; covers pricing, advertising, quantities, etc.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 8K+ tape
Sce: Taylormade Softwe $14.95

MARKET (Educ'l game)
19)**Subj/Topic:** Business Princs **Grades:** 7-12
Description: Two student teams or indiv's make small company marketing decisions (product'n level, advertising, & pricing).
Syst(s): Atari TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Compuware $24.95 [pk45,3p]**
Rev's: CC 4/82(+)

%MARKET (Educ'l game)
20)**Subj/Topic:** Business Princs **Grades:** 8-12
Description: Two teams compete in bike sales; manage advertising, production level, and pricing for small company.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Project LOCAL Soft $19.95 [pk10,7p]**

DECISION-MAKING SIMULAT'NS (Simulation)
21)**Subj/Topic:** Business Princs **Grades:** 9-12
Description: Students apply what they've learned in each chapter to make realistic business decisions.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap,PET16K/TR32K+d
Sce: McGraw-Hill (Gregg) $350

PROFIT AND LOSS (Simulation)
22)**Subj/Topic:** Business Princs **Grades:** 9-12
Description: Short teacher administered simulation that provides an exciting introduction to economic concepts.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Apple16K/TRS32K+d
Sce: McGraw-Hill (Gregg) $50

THE ENTERPRISE SANDWICH (Simulation)
23)**Subj/Topic:** Business Princs **Grades:** 10-14
Description: Instructor-controlled simulation; perfect for marketing, retailing & intro. to business courses.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + disk
Sce: McGraw-Hill (Gregg) $99

†CARTELS & CUTTHROATS (Educ'l game)
24)**Subj/Topic:** Business Princs **Grades:** 9-14
Description: Strategic game designed to tax business sense by being in chrge of own million $ mfg plant; back up disk $10.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Strategic Simul'ns $39.95
Rev's: CC 4/82(+); ET 9/81(+); CRC V1#1(+)

BUSINESS: Data Processing

BUSINESS V3 (ACCTG SYSTEM) (Computl tool)
25)**Subj/Topic:** Data Processing **Grades:** 9-12
Description: Gives realistic experience with an automated accounting system; includes general ledger, A/P, A/R, inv ctrl.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K,2 disks,prntr
Sce: Minn Ed Comp Consrt $63.10

NEVADA COBOL (Lang proces'r)
26)**Subj/Topic:** Data Processing **Grades:** 9-12
Description: Compiles and runs COBOL programs; enables the teaching of this language on a microcomputer; requires CP/M.
Syst(s): Apple PET TRS-80 CP/M
Lang/Min Hdwre: Machine; As neces for CP/M
Sce: Ellis Computing $199.95

†BUSINESS APPLICATIONS (Concept demo)
27)**Subj/Topic:** Data Processing **Grades:** 9-12
Description: Demonstrates variety of useful programs includ. income tax, mortgage, financial aid, payroll, inventory, etc.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Innovat Prog Assoc $44.95

†THE USES OF A DATABASE (Concept demo)
28)**Subj/Topic:** Data Processing **Grades:** 9-12
Description: Shows advantages of using a computer to store & sort info; allows user to create his own database.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Innovat Prog Assoc $44.95

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

BUSINESS: Data Processing (CONT)

COBOL-80 (Lang proces'r)
1)**Subj/Topic:** Data Processing **Grades:** 10-12
Description: Compiles & runs COBOL programs; exceeds ANSI req'ts; allows teaching of this language on microcomputer.
Syst(s): Apple CP/M
Lang/Min Hdwre: Machine; 48K;Ap-2d,CP/M-1d
Sce: Microsoft $750
Rev's: CC V3#3; CC 3/80

†**BUSINESS FORECASTING** (Concept demo)
2)**Subj/Topic:** Data Processing **Grades:** 10-12
Description: Shows how the computer can be used to forecast future conditions based on past & current trends.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Innovat Prog Assoc $36.95

BUSINESS: Office Practice

10 KEY DRILL (Skills pract)
3)**Subj/Topic:** Office Practice **Grades:** 9-12
Description: Practice or test skills using 10-key pad; computer checks for errors & calculates speed.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Robert Baker $19.95

NUMERIC DATA ENTRY PRACT (Skills pract)
4)**Subj/Topic:** Office Practice **Grades:** 10-12
Description: (26-2601) Pract to improve speed,accuracy on numer keypad;auto placement,pract & timed exer's;store/rept perf.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; Model I/III
Sce: Radio Shack $39.95

BUSINESS: Shorthand

STENO (Skills pract)
5)**Subj/Topic:** Shorthand **Grades:** 9-12
Description: Overcomes problem of teaching brief forms. Program dictates up to 100 forms. Errors/correct answers display.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Robert Baker $19.95

BUSINESS: Typing

TYPING (Rote drill)
6)**Subj/Topic:** Typing **Grades:** 1-12
Description: Drill on home or other row; letters appear/disappear based on speed & accuracy; also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk110,2p]**

TYPING TEACHER (Tutorial)
7)**Subj/Topic:** Typing **Grades:** 2-12
Description: Typing tutorial; goes from key familiarization through typing words & phrases,to compl kybrd mastery;dsk $22.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+t/32K+d;Mdl/3
Sce: Instant Software $17.95

†**KEYBOARD** (Skills pract)
8)**Subj/Topic:** Typing **Grades:** 3-10
Description: Teaches hand - eye coordination on graphically displayed keyboard.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: SoftArt Software $29.95

TYPING TUTOR (Skills pract)
9)**Subj/Topic:** Typing **Grades:** 4-12
Description: Introduces, provides timed practice in touch typing; works on individual letrs & passages;Apple vers $24.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K+d;TRS16K+t
Sce: Microsoft $19.95
Rev's: ET 10/81(+); JCR V1(+); SMW Su82(0)

%**TYPING** (Tutorial)
10)**Subj/Topic:** Typing **Grades:** 4-12
Description: Series of programs providing instruction and drill in touch typing; includes speed test; 6 prog's,19 text files.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Teck Associates $19.95

MICROTYPING (Tutorial)
11)**Subj/Topic:** Typing **Grades:** 4-12
Description: For beginner,drills single letters & nos.,words,sentences; create own text for practice; gives WPM, errors.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: Machine; 48K + disk
Sce: Hayden Book Co. $29.95
Rev's: IW 3/1/82

TYPING TEACHER (Rote drill)
12)**Subj/Topic:** Typing **Grades:** 4-12
Description: Teaches anyone to master the typewriter or keyboard. Written by behavioral psychologist. Behavioral learning.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Compu-Tations $14.95

TYPEMASTER (Author lang)
13)**Subj/Topic:** Typing **Grades:** 4-12
Description: Teacher enters drills to a disk file which prog uses to control student lessons; sample drill included.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+dsk,Applesoft
Sce: Fullmer Associates $45
Rev's: CUE 10/80; JRM V1(+)

MASTERTYPE (Educ'l game)
14)**Subj/Topic:** Typing **Grades:** 4-12
Description: Pract touch typing in game; alien ships attack user's space station; must type correctly to defend.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Lightning Software $39.95
Rev's: CC 4/82(+); SMW W82(+);CCN1-2/82(0)

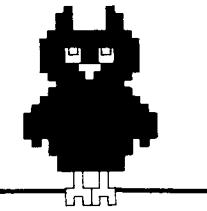
†**TYPING TUTOR** (Skills pract)
15)**Subj/Topic:** Typing **Grades:** 4-12
Description: For beginner, selectable speed enables students to progress at own rate; test at selectable WPM & difficulty.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Aquarius Publish's $24.95

†**TYPING TUTOR/WORD INVADERS** (Tutorial)
16)**Subj/Topic:** Typing **Grades:** 4-12
Description: Teaches typing; keyb'rd displayed; identifies mistakes; practice speed & skill with word invaders game.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Academy Software $21.95
Rev's: CC 12/82

%**TYPING-TUTOR** (Skills pract)
17)**Subj/Topic:** Typing **Grades:** 5-12
Description: 54 drills designed to improve touch typing skills.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Basics & Beyond $29.95 [pk16,20p]**

†**TYPO ATTACK** (Educ'l game)
18)**Subj/Topic:** Typing **Grades:** 5-10
Description: 9 skill levels, makes typing exercises exciting, student must depend on touch typing skills.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Atari Prog Exchng $29.95

†**TYPE ATTACK** (Educ'l game)
19)**Subj/Topic:** Typing **Grades:** 5-12
Description: Gives practice in typing w/ dozens of pre-programmed lessons; WPM bar & color graphics.



Syst(s): Apple Atari VIC-20
Lang/Min Hdwre: BASIC; 32K+ tape or disk
Sce: Sirius Software $39.95

MICROTYPING (Rote drill)
20)**Subj/Topic:** Typing **Grades:** 6-12
Description: Provides drill and practice for keyboard familiarization. 12 programs, requires disk.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Sheridan College $100

TOUCH TYPING (Skills pract)
21)**Subj/Topic:** Typing **Grades:** 6-12
Description: 18 typing lessons bulid typing skill from zero to touch typing; includes speed exercises; disk vers $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Cove View Press $19.95

GREGG KEYBOARDING (Tutorial)
22)**Subj/Topic:** Typing **Grades:** 7-12
Description: Introduces & gives practice on typing skills using the Gregg typing method; develops speeds to 25 wpm.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: McGraw-Hill (Gregg) $200

TYPERIGHT (Tutorial)
23)**Subj/Topic:** Typing **Grades:** 7-12
Description: Complete typing course, including instr'ns, drill (w/ whole words), speed/accuracy reports; also 5 games.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; PET8K+t; CBM16K+d
Sce: Barron Enterprises $29.95
Rev's: CRC V1#1(+); EC V2#6(+)

†**TYPING STRATEGY** (Tutorial)
24)**Subj/Topic:** Typing **Grades:** 7-12
Description: Uses animated image of keyboard & pair of hands to teach excellence exhibited by master typists; Vic $24.95.
Syst(s): Apple PET VIC-20
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Behavioral Engin'g $29.95

†**LETTER MAN** (Educ'l game)
25)**Subj/Topic:** Typing **Grades:** 7-12
Description: For novice to expert typist; hungry ghosts chase you thru maze of words at faster & faster speeds; Vic $24.95.
Syst(s): Apple PET VIC-20
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Behavioral Engin'g $29.95

†%**TOUCH TYPING TUTOR 3.0** (Skills pract)
26)**Subj/Topic:** Typing **Grades:** 7-12
Description: Provides practice in typing; teaches finger placement; 19 lessons; time tests; on disk $24.95.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 8K+ tape or disk
Sce: Taylormade Softwe $19.95

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

BUSINESS: Typing (CONT)

†%TOUCH TYPING TUTOR 64 (Skills pract)
1)**Subj/Topic:** Typing **Grades:** 7-12
Description: Practice typing w/ all fingers; finger placement pictured on screen; timed tests; 19 lessons; disk $24.95.
Syst(s): Com 64
Lang/Min Hdwre: BASIC; 8K+ tape or disk
Sce: Taylormade Softwe $19.95

TOUCH TYPING (Tutorial)
2)**Subj/Topic:** Typing **Grades:** 9-12
Description: Instruction & timed practice in touch typing; practice on both letters & sentences; reports student performance.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Inc. $ n/av

BUSINESS: Busin's English

WRITING COMPETENCY PROGRAM (Tutorial)
3)**Subj/Topic:** Busin's English **Grades:** 7-12
Description: Covers business letters of request & complaint, organizing report, & persuasion.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Educat'l Activit's $65

CAREER EDUCATION

JOB READINESS-ASSESS/DEVEL (Tutorial)
4)**Subj/Topic:** General **Grades:** 6-12
Description: Assesses, teaches job readiness skills, eg.,writ'g applic'ns & deal'g with placem't agencies;good for spec educ.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $165
Rev's: ET 2/82(0); SMW Su82(0)

TRUCKER (Educ'l game)
5)**Subj/Topic:** General **Grades:** 9-12
Description: User tries to maximize profit as independent trucker;balances risks/-rewards of cargo type, route, speed, etc.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; 32K Ap/TRS,40K At
Sce: Compuware $24.95 [pk25,2p]**

AIR TRAFFIC CONTROLLER (Educ'l game)
6)**Subj/Topic:** General **Grades:** 9-12
Description: Player controls 27 prop & jet planes in real time as they land, take off & fly over; variable difficulty level.
Syst(s): Apple TRS-80
Lang/Min Hdwre: Machine; 16K + tape
Sce: Compuware $14.95

†MEN ON THE JOB (Tutorial)
7)**Subj/Topic:** General **Grades:** 9-14
Description: Learn what people look for & how to make a good impression; make the first weeks work for you, on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†INTERVIEWING (Tutorial)
8)**Subj/Topic:** General **Grades:** 9-14
Description: Learn what a job interviewer is looking for, how he gets his info; learn to sell your skills; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†SELF CONCEPT AND YOUR WORK (Tutorial)
9)**Subj/Topic:** General **Grades:** 9-14
Description: Who am I? What kind of person am I? How do I feel about myself? All this relates to work! On disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

THE USES OF
MICROCOMPUTERS
FOR SCHOOL COUNSELORS

Ask about FATE^2,
STUDY, AND SCI FI.

Write David Lemire,
Box 2326, Evanston,
Wyoming 82930.

†PART-TIME JOBS (Tutorial)
10)**Subj/Topic:** General **Grades:** 9-14
Description: Provides insights into o taining and holding a part-time job; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†HOW TO GET AND HOLD A JOB (Tutorial)
11)**Subj/Topic:** General **Grades:** 9-14
Description: Learn job selection, interviewing, employee-employer relations, & other occupational skills; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†THE JOB AND YOU (Tutorial)
12)**Subj/Topic:** General **Grades:** 9-14
Description: Learn about presenting best possible image to prospective employer; e.g. confidence in ability; on dsk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

SIGI-INTERACTIVE GUIDANCE (Data retr'val)
13)**Subj/Topic:** General **Grades:** 10-12
Description: A computerized career guidance system that helps students develop individual career plans; price $1200/year.
Syst(s): TRS-80
Lang/Min Hdwre: PASCAL; 64K Mod II+2 dsks
Sce: Educatl Testg Svc $1200

COIN: THE CAREER SEARCH (Data retr'val)
14)**Subj/Topic:** General **Grades:** 10-12
Description: Retrieves career information based on student preferences.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: COIN/Bell & Howell $250

COIN: THE COLLEGE SEARCH (Data retr'val)
15)**Subj/Topic:** General **Grades:** 10-12
Description: Retrieves college information based on student preferences.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: COIN/Bell & Howell $250

SOONER- FINANCIAL AID SRCH (Data retr'val)
16)**Subj/Topic:** General **Grades:** 10-12
Description: Retrieves financial aid information based on student preferences and characteristics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: COIN/Bell & Howell $250

COMPREHENSIVE

APPLE DEMONSTRATION DISK (Multi types)
17)**Subj/Topic:** General **Grades:** 1-12
Description: Sample instruct'l applications includ'g drill, practice, tutorial, simulat'n,probl-solv'g & worksheet print.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Compuware $19.95

COMPUGRADE (Teacher aid)
18)**Subj/Topic:** General **Grades:** 1-12
Description: This program provides a complete grading utility for teachers; complete documentation; disk $21.95.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Melvin Billik $16.95

†GOLDEN DELICIOUS GAMES (Concept demo)
19)**Subj/Topic:** General **Grades:** 5-12
Description: Guide to writing orig games in BASIC w/ sound & graphics; contains educational games, subroutines.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: John Wiley & Sons $34.95
Rev's: PRC 1/83(+)

†AUDIO VISUAL EQUIPMENT (Tutorial)
20)**Subj/Topic:** General **Grades:** 9-16
Description: 5-part system tells about the computer & about filmstrip,overhead, slide,opaque & 16mm projectors.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: Avant Garde Creatns $29.95

†THE MICRO AS TEACHING TOOL (Concept demo)
21)**Subj/Topic:** General **Grades:** 13-16
Description: 6 les'ns show several micro instrl applic'ns in variety of subj areas; pkg incl 2 filmstrips & guide/skill wrkbk.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Soc for Visual Ed $99.50

COMPREHENSIVE: Basic Skills

PRESCHOOL FUN (Tutorial)
23)**Subj/Topic:** Basic Skills **Grades:** K-2
Description: Teaches color, shape, number recognition, upper & lower case letters, & directions;no read'g reqd; on disk $25.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: T.H.E.S.I.S. $17.50
Rev's: PM Su81(0)

†COMPUTER CONCENTRATION (Educ'l game)
24)**Subj/Topic:** Basic Skills **Grades:** K-4
Description: Find matching numbers & letters behind boxes on screen; player who matches highest values gets higher score.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Aquarius Publish's $14.95

†TEACHER'S PET (Skills pract)
25)**Subj/Topic:** Basic Skills **Grades:** K-2
Description: Intro to computers as well as learning tool; arith practice, letter recogn,counting&answer manual;disk $18.95.
Syst(s): Apple Atari CP/M PET TRS-80
Lang/Min Hdwre: BASIC; At 16K;others 48K
Sce: Artworx $14.95

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

COMPREHENSIVE: Basic Skills (CONT)

†HODGE PODGE (Skills pract)
1)**Subj/Topic:** Basic Skills **Grades:** K-2
Description: Knowledge in enjoyable way for very young thru cartoons, animations & songs; child can work alone or with adult.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; At 32K+d,Ap 48K+d
Sce: Artworx $19.95

†EARLY ELEMENTARY II (Skills pract)
2)**Subj/Topic:** Basic Skills **Grades:** K-2
Description: Practice in alphabet, numbers & the inside-outside concept.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Compu-Tations $29.95

CONCENTRATION (Educ'l game)
3)**Subj/Topic:** Basic Skills **Grades:** 1-12
Description: Student tries to match pairs of teacher-selected items on 15-item game board; also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk107,2p]**

MEMORY BUILDER: CONCENTR'N (Educ'l game)
4)**Subj/Topic:** Basic Skills **Grades:** 1-6
Description: Series of educ'l games to improve memory, attention span, concent'n; Apple and Atari disk versions, $23.95.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC;Ap+d;others+t
Sce: Program Design Inc $16.95
Rev's: MJ V3#2(0)

INDIVIDUAL STUDY CENTER (Skills pract)
5)**Subj/Topic:** Basic Skills **Grades:** 1-12
Description: Pract in many subj's w/ several game/quest modes; lessons avail separately; Ap dsk $54.95; ModIII dsk $69.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; ApDOS3.3;16K M1/3
Sce: TYC Software $59.95
Rev's: CC 10/80; MM 10/81(+); SMW W82(-)

†EDUCATIONAL PACKAGE I (Skills pract)
6)**Subj/Topic:** Basic Skills **Grades:** 1-14
Description: Practice in states & capitals, spelling (own lists), making change, percent & alpha order.
Syst(s): PET TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Educational Softwe $23.95

†GAME DISK #1 (Educ'l game)
7)**Subj/Topic:** Basic Skills **Grades:** 1-5
Description: Five 1 & 2 player games give practice in basic math & spelling; Hangman & other formats.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + disk
Sce: H.E.L. Laborator's $24.95

†FOLLOWING DIRECTIONS (Educ'l game)
8)**Subj/Topic:** Basic Skills **Grades:** 2-5
Description: This game offers practice in following directions. Players travel to various destinations in the game.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K + disk
Sce: Learning Well $49.95

†SNOOPER TROOPS-G.P. GHOST (Educ'l game)
9)**Subj/Topic:** Basic Skills **Grades:** 3-14
Description: Granite Point Ghost mystery teaches writing,record-keeping,organizing, reasoning,mapmaking & vocabulary building.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Spinnaker Software $44.95

†SNOOPER TROOPS-D. DOLPHIN (Educ'l game)
10)**Subj/Topic:** Basic Skills **Grades:** 3-14
Description: Disappearing Dolphin mystery teaches writing,record-keeping,organizing, reasoning,mapmaking & vocabulary building.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Spinnaker Software $44.95

†SCHOOLHOUSE I (Skills pract)
11)**Subj/Topic:** Basic Skills **Grades:** 3-8
Description: Practice in spelling, algebra, Roman numerals, language arts, fractions.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Compu-Tations $24.95

APPLE DIALOG (Tutorial)
12)**Subj/Topic:** Basic Skills **Grades:** 4-7
Description: Keyboard orientation; asks questions, plays music, draws a picture, & plays a game; instruc'n on special keys.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Indian Head Softwe $3.95

MIND-STEP 1 (Tutorial)
13)**Subj/Topic:** Basic Skills **Grades:** 5-12
Description: Intro to and practice with memorization techniques; 10 prog's with graphics; Apple & Mod III dsk vers $31.50.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; AppDOS3.3; TRS16K
Sce: TYC Software $26.50

MIND STEP 2 (Tutorial)
14)**Subj/Topic:** Basic Skills **Grades:** 6-12
Description: Memorization techniques;graphics; 9 prgs teach better study,listening skills; audio tape; Ap/Mod3 dsk ver$36.60.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d; TRS16K+t
Sce: TYC Software $31.50

COMPREHENSIVE: Statistics

STATISTICS WITH DAISY (Computl tool)
15)**Subj/Topic:** Statistics **Grades:** 1-12
Description: Full range of statistical functions, hi-res plots, DIF files; user-defined commands; emphasizes ease of use.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Rainbow Computing $79.95
Rev's: CP 2-3/82; TCT 4/82(+); PLG 5-6/82

BAR GRAPH (Computl tool)
16)**Subj/Topic:** Statistics **Grades:** 4-12
Description: Plots bar or line graph for up to six categories.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Compuware $19.95 [pk47,5p]**

STATISTICS (Computl tool)
17)**Subj/Topic:** Statistics **Grades:** 7-12
Description: Provides comprehensive capability for statistical analysis of data.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + tape
Sce: Edu-Ware Services $29.95
Rev's: CC 9/80; JRM V1(+); MJ W81(-)

%SAP-SURVEY ANALYSIS PKG (Computl tool)
18)**Subj/Topic:** Statistics **Grades:** 8-12
Description: Does statistical analysis of survey results; designed for student projects; a Huntinton II program.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Project LOCAL Soft $19.95 [pk10,7p]**

COMPREHENSIVE: Author Lang's

PILOT (WITH TURTLE GRAPHX) (Author lang)
19)**Subj/Topic:** Author Lang's **Grades:** K-12
Description: Enables teacher to easily create instruction & practice dialogs using text, color graphics & music.
Syst(s): Atari
Lang/Min Hdwre: Machine; 16K + tape
Sce: Atari Inc. $129.95
Rev's: SMW Su82(+); CUE 5/82(+); CR 10/82(+)

THE AUTHORING SOFTWARE (Author lang)
20)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Allows teacher/student simply to list material & have sophisticated program generated to teach it.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Active Systems $295

PILOT plus (Author lang)
21)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Extended version providing videodisc, touch panel & color graphx support; runs on any CP/M 2.0 or later syst.
Syst(s): CP/M
Lang/Min Hdwre: Machine; as neces for CP/M
Sce: I.I.A.T. $150

SHELL GAMES (Author lang)
22)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Allows teacher to create drill & practice dialogs using T-F, multiple choice, & matching formats.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Apple Computer $50
Rev's: TCT 5/82(+); PM Ed#11(-)

%EXPRESS TRAINER (Author lang)
23)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Authoring program allowing combination of music, digitized voice,hi-res grafx, lightpen & keyboard response.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk
Sce: Bipacs $250

APPILOT II EDU-DISK (Author lang)
24)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: This includes high & low resolution graphics, built in timer, light pen input & voice output.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk;other opt
Sce: Muse Software $99.95

WATCAN (Author lang)
25)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Facilitates writing of CAI programs; has screen editor, question processor, program editor & utilities.
Syst(s): Apple CP/M
Lang/Min Hdwre: BASIC; as neces for CP/M
Sce: Univ of Waterloo $85

VOICE-BASED LEARNING SYST (Author lang)
26)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Allows creation of CAI dialog in which student speaks responses (no typing); req's voice entry terminal,$676.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Scott Instruments $99.95

EUREKA (TM) LEARNING SYST (Author lang)
27)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Lets teacher develop courses without prog'g exper; uses graphics, special characters, sound in lessons.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Eiconics $495
Rev's: CC 11/81(-); JCR V1#1(+)

ZENITH EDUCATION SYSTEMS (Author lang)
28)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Enables easy creation of CAI dialogs using hi-res color graphics & animation;monitors/saves/reprts stud't perf.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K + disk
Sce: Avant Garde Creatns $250
Rev's: IW V3#27(+); CC 11/81(0); ET 1/82(0)

THE INSTRUCTOR 3.0 (Author lang)
29)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Enables teacher to create instruct'n & pract dialogs which employ taped video materials under computer ctrl.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+d,video ctrlr
Sce: BCD Associates $395

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

COMPREHENSIVE: Author Lang's (CONT)

THE TUTORING SOFTWARE (Tutorial)
1)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Designs educationally optimal lessons for any material and teaches it to up to 32 students at once.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Active Systems $249

THE LEARNING SYSTEM (Author lang)
2)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Helps teacher create tutorials(intro material,ask quest's,help,review)&tests(3 formats,store/analz scores).
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Micro Lab $150
Rev's: CC 11/81; ET 11/81(+)

CAVRI V INTERACTIVE VIDEO (Author lang)
3)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: CAI and videotaped teaching combine to teach & drill on any topic; price including video interface is $1200.
Syst(s): Apple
Lang/Min Hdwre: Machine; 32K+dsk,video int
Sce: Cavri Systems $550

THE PROFESSOR (Author lang)
4)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Teacher "teaches" Professor subject in pre-programmed lessons; then student can work at own pace.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Monument Comp Serv $29.95

%E-Z PILOT (Lang proces'r)
5)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Very easy version of PILOT (only 10 commands); very good for creating CAI dialog.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K+dsk,Applesoft
Sce: Teck Associates $39.95

C-BITS III (Author lang)
6)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Asks teacher-authored quests to 2 students; if correct ans, stud't gets Tic-Tac-Toe move; pairs gr with questions.
Syst(s): Apple
Lang/Min Hdwre: COBOL; 48K+disk;ptr optl
Sce: Educ'l Soft Midwest $45

AUTHOR 1 PRESENTATION (Author lang)
7)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Presents lessons created with Author 1 (26-1727); rec'ds & prints out scores; printer needed for card use.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Radio Shack $64.95

TRS-80 AUTHOR I (Author lang)
8)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: (26-1727) Easy creation of tutorial & drill mater's; includes screen editing, graphics & managem't/recordkeepg.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Radio Shack $149.95

MicroPILOT (Author lang)
9)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Extended version of PILOT lang with graphics & file mgt; espec good for creating CAI dialog;Mod3 vers $119.95.
Syst(s): TRS-80
Lang/Min Hdwre: Machine; 32K ModI/III+disk
Sce: Radio Shack $99.95

AIDS (Author lang)
10)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Complete CAI system, including authoring, editing, dialog, evaluation, recordkeeping, and reporting.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K+dsk,AIDSfrmwe
Sce: Skillcorp Software $495

CREATE YOUR OWN-ELEMENTARY (Author lang)
11)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Allows teacher to create CAI dialog; up to 4-line stimulus in large characters; allows alternate right answ's.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Hartley Courseware $26.95

CREATE YOUR OWN-INTERMED (Author lang)
12)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Teacher may create CAI dialog; 4-line stimulus w/ standard characters; can give instruc'ns;stud't mgt syst.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Hartley Courseware $26.95

CREATE- FILL IN THE BLANKS (Author lang)
13)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Allows teacher to create lessons with audio stimulus; provides student management disk system.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk, CCD
Sce: Hartley Courseware $26.95

GENIS I (Author lang)
14)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Allows teacher to create tutorial & pract dialogs;allows alternate rt ans's & spellings;stores/reports perf.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Bell & Howell $300
Rev's: IA 5/81(0)

GROW (Author lang)
15)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: An extensible system for authoring creative CAI, adventure games, and knowledge networks.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Comp Systs Design $35

BLOCKS AUTHORING SYSTEM (Author lang)
16)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Enables novice to create CAI dialog using hi-res color graphics; presents material, monitors/reports progress.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: San Juan Unif Schl $50

NEVADA PILOT (Author lang)
17)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Nevada PILOT helps a person with no previous computer experience to develop CAI dialog.
Syst(s): CP/M
Lang/Min Hdwre: Machine; as neces for CP/M
Sce: Ellis Computing $149.95

GHOSTWRITER (Teacher aid)
18)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: English language prompted authoring system for use by non-programmers to create CAI or interactive video.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 64K+disk
Sce: Cavri Systems $995

†VELS AUTHORING SYSTEM (Author lang)
20)**Subj/Topic:** Author Lang's **Grades:** 1-12
Description: Creates courseware which can be studied by voice command - no keyboard input; disk + hardware $895.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Scott Instruments $100

TIC TAC SHOW (Educ'l game)
21)**Subj/Topic:** Author Lang's **Grades:** 2-12
Description: Pract on facts from any subject in popular TV game format;multi-player, animation; auth system,preprog topics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Cmp Advanced Ideas $39.95

†MICROTEACH (Author lang)
22)**Subj/Topic:** Author Lang's **Grades:** 2-12
Description: Teachers enabled to write a coursewre pkg w/o any programming in English or Spanish; menu driven.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 48K+disk
Sce: Compumax $195

†%ELECTRIC LECTURN (Author lang)
23)**Subj/Topic:** Author Lang's **Grades:** 2-12
Description: Authoring system designed to permit user to sequence screens & graphics in any order.
Syst(s): Apple
Lang/Min Hdwre: PASCAL; 48K + disk
Sce: Thorobred Softwe $95

CAI AUTHOR'G SYST-EXTENDED (Author lang)
24)**Subj/Topic:** Author Lang's **Grades:** 3-12
Description: A special discount package for schl districts for use in 5 schls;consists of Caiware-3D,Super-CAI & extras.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; ModI/III+disk
Sce: Fireside Computing $398
Rev's: 80M 5/81(+); 80M 2/82; 80M 5/82

CAIWARE (Author lang)
25)**Subj/Topic:** Author Lang's **Grades:** 3-12
Description: Subject matter experts specify branching, enter text, questions on formatted screens; no coding.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Fireside Computing $44.95

SUPER-CAI (Author lang)
26)**Subj/Topic:** Author Lang's **Grades:** 3-12
Description: Enhanced version of CAIWARE Authoring System; includes updating, copying, compressing existing lessons on tape.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Fireside Computing $66.95

CAIWARE-2D (Author lang)
27)**Subj/Topic:** Author Lang's **Grades:** 3-12
Description: Creates courseware;no cod'g; formatted screens: graphics,text,mult chc, fill-ins; lesson control, student records.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K ModI/III,disk
Sce: Fireside Computing $127
Rev's: ET 4/82(0); 80M 2/82(+); SMW W83(+)

CAIWARE-3D (Author lang)
28)**Subj/Topic:** Author Lang's **Grades:** 3-12
Description: Formatted screen authoring system with syllabus file, stud't recds, computer managed instr'n; many extras.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K ModI/III,disk
Sce: Fireside Computing $222

EDUGRAMMER (Author lang)
29)**Subj/Topic:** Author Lang's **Grades:** 4-12
Description: Enables easy creation of CAI dialog using mixture of taped video & computer-generated messages;reports progress.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 48K+t+VCR+TV cam
Sce: Roklan $ n/av

†VANILLA PILOT (Author lang)
30)**Subj/Topic:** Author Lang's **Grades:** 4-12
Description: Plain vanilla version of pilot computer language; turtle graphics.
Syst(s): PET
Lang/Min Hdwre: Machine; 16K+ tape or disk
Sce: Tamarack Software $19.95

†MENTOR MASTER (Author lang)
31)**Subj/Topic:** Author Lang's **Grades:** 6-16
Description: 3 question types, cognitive level coding, gradebook,branching,graphics with 80 science diagrams available.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk, Aplsft
Sce: Datatech Software $39.50
Rev's: CC 10/82

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product.

COMPREHENSIVE: Author Lang's (CONT)

TEACHER'S TOOLKIT (Author lang)
1)**Subj/Topic:** Author Lang's **Grades:** 7-14
Description: Enables teachers to design & write question/answer sequences with no knowledge of BASIC language.
Syst(s): Apple PET VIC-20 TRS-80
Lang/Min Hdwre: BASIC; P/V+t; App+TRS+d
Sce: Wida Software $40

COMPREHENSIVE: Aptit Test Prep

ANALOGIES (Tutorial)
2)**Subj/Topic:** Aptit Test Prep **Grades:** 7-12
Description: Intros analogies, describes different types,shows how to analyze them & gives pract; App,Atari dsk vers $23.95.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; 16K;Ap+d;others+t
Sce: Program Design Inc $16.95

†SAT VERBAL SKILLS-ETYMO'GY (Tutorial)
3)**Subj/Topic:** Aptit Test Prep **Grades:** 7-12
Description: Reviews Latin & Greek roots & prefixes to derive word meanings; foreign words & phrases; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†SAT VERBL SKLS-WRD CATEG'S (Tutorial)
4)**Subj/Topic:** Aptit Test Prep **Grades:** 7-12
Description: Hist, humanities, sci, math, literature groupings help student retain word definitions; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†SAT VERBAL SKLS-WRD RELAT (Tutorial)
5)**Subj/Topic:** Aptit Test Prep **Grades:** 7-12
Description: Review & practice in relationships of words in analogies; questions follow; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†SAT VERBAL SKILLS-SYNONYMS (Tutorial)
6)**Subj/Topic:** Aptit Test Prep **Grades:** 7-12
Description: Reviews correct selection of similar meaning words; answers explained; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†SAT VERBAL SKILLS-ANTONYMS (Tutorial)
7)**Subj/Topic:** Aptit Test Prep **Grades:** 7-12
Description: Reviews correct selection of opposite meaning words; answers explained; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†SAT VERBAL SKILLS-DEFINITNS (Tutorial)
8)**Subj/Topic:** Aptit Test Prep **Grades:** 7-12
Description: Series emphasizes correct selection of words by definition; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

VOCABULARY BUILDER (Skills pract)
9)**Subj/Topic:** Aptit Test Prep **Grades:** 9-14
Description: Study aid for College Board exams; over 1600 entries; expandable data base; great for all ages.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Sliwa Enterprises $25

WORD ANALOGY (Skills pract)
10)**Subj/Topic:** Aptit Test Prep **Grades:** 9-14
Description: Over 1200 word relationships are saved in the data base; great study aid for College Boards.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Sliwa Enterprises $25

SENTENCE COMPLETION (Skills pract)
11)**Subj/Topic:** Aptit Test Prep **Grades:** 9-14
Description: Study aid for College Brds; over 300 entries arranged in completion, construction and correction formats.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Sliwa Enterprises $25

VOCABULARY BASEBALL GAME (Educ'l game)
12)**Subj/Topic:** Aptit Test Prep **Grades:** 9-12
Description: 3 single-player games help students learn SAT-type words;3 difficulty levels;score always displayed; 1000 words.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: J & S Software $29.50
Rev's: CC 4/82(+); SMW Su82(-); CRC V1#1(0)

MATH I (Skills pract)
13)**Subj/Topic:** Aptit Test Prep **Grades:** 9-14
Description: Study aid for College Board exams. 300 multiple choice questions with hints.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Sliwa Enterprises $25

SAT WORD ATTACK SKILLS (Skills pract)
14)**Subj/Topic:** Aptit Test Prep **Grades:** 9-12
Description: Word Attack Skills develops word definitions, word connotations, roots, and prefixes.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Edu-Ware Services $49

PSAT WORD ATTACK SKILLS (Skills pract)
15)**Subj/Topic:** Aptit Test Prep **Grades:** 9-12
Description: Word Attack Skills develops word definitions, word connotations, roots, and prefixes.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Edu-Ware Services $49

†GED-100 (Tutorial)
16)**Subj/Topic:** Aptit Test Prep **Grades:** 9-12
Description: Provides diagnosis, remediation, reinforcement, testing & individual prescript'ns to prep stud'ts for GED exam.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Educ'l Softwe Mkt $1275

QUANTITATIVE COMPARISONS (Skills pract)
17)**Subj/Topic:** Aptit Test Prep **Grades:**10-12
Description: 7 lessons& test help prepare for SAT Math; uses SAT quest format;covers arith thru plane geom; disk vers $26.50.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K+t,joystk;16K+d
Sce: Program Design Inc $19.95

PREPARING FOR THE SAT (Tutorial)
18)**Subj/Topic:** Aptit Test Prep **Grades:**10-12
Description: 6 cassettes covering analoies, vocabulary, number series, quantitative comparisons, time allocation.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t,BASIC crtdg
Sce: Program Design Inc $125

MATH II (Skills pract)
19)**Subj/Topic:** Aptit Test Prep **Grades:**10-14
Description: Study aid for College Board exams; over 150 multiple choice questions with graphic displays and hints.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Sliwa Enterprises $25

VERBAL STRATEGIES/MATH-SAT (Tutorial)
20)**Subj/Topic:** Aptit Test Prep **Grades:** 10-12
Description: SAT prep;analogies,read'g comp,sent compl'n,algebra,geom,ratios,etc; has les'n,info,test modes+mgt; $105/year.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Borg-Warner Ed Sys $875

COLL ENTR EXAM PREP-VERBAL (Tutorial)
21)**Subj/Topic:** Aptit Test Prep **Grades:** 10-12
Description: Individ'd instruct'n to prepare for SAT;1900 synonyms/antonyms;les'n; info,test modes & mgt system; rent $75/yr.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Borg-Warner Ed Sys $575
Rev's: SMW W83(0)

SAT ENGLISH I (Skills pract)
22)**Subj/Topic:** Aptit Test Prep **Grades:** 10-12
Description: Practice on concepts/skills used on SAT Verbal section; incl explanations for all choices on each of 160 ques.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Micro Lab $30
Rev's: ET 10/82(0)

COMPETENCY EXAM PREPARAT'N (Tutorial)
23)**Subj/Topic:** Aptit Test Prep **Grades:** 10-12
Description: Prepares stud't for National Profic Ser's,Cal Profic Assess't Test or NY Regents Comp Test; has mgt system.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K+tape;prtr opt
Sce: Krell Software $2499

ENGLISH ACHIEVEMENT I-V (Rote drill)
24)**Subj/Topic:** Aptit Test Prep **Grades:** 10-12
Description: Stud't finds errors in sentences from Engl Achievem't Exam;feedback ea item; Apple $39.95/disk, PET $20/tape.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; PET16K+t;App48K+d
Sce: Micrcomp Workshops $20
Rev's: EL 9/82(+)

†S.A.T. TUTOR (Tutorial)
25)**Subj/Topic:** Aptit Test Prep **Grades:** 10-12
Description: Gives instruction in strategies & approaches to various question types; series of practice testing drills.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Aquarius Publish's $55

†WORD COMMANDER (Rote drill)
26)**Subj/Topic:** Aptit Test Prep **Grades:** 10-14
Description: Provides practice & review of vocabulary & definitions for GRE-SAT tests.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K+ disk or tape
Sce: Edco $50

†PREP - 100 (Tutorial)
27)**Subj/Topic:** Aptit Test Prep **Grades:** 10-12
Description: Student prepares & reviews for ACT.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Educ'l Softwe Mkt $495

†FUNBUNCH - S.A.T. (Skills pract)
28)**Subj/Topic:** Aptit Test Prep **Grades:** 10-12
Description: Practce for SAT in spelling, speed reading, vocabulary; words commonly found on exams.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 48k + DISK
Sce: Comp Lrg Ctr Child $29.99

COLLEGE BOARD 81/82 PREP'N (Skills pract)
29)**Subj/Topic:** Multiple Topics **Grades:** 10-12
Description: Practice problems to prepare for SAT's; same difficulty & scoring as past exams; covers both math & verbal.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Krell Software $149.95
Rev's: IW V4#12(0); CRC V1#1(0)

† This is a new entry in THE SOFTWARE FINDER.

COMPREHENSIVE: Comput'l Tools

†THE BANK STREET WRITER (Word Processor)
1)**Subj/Topic:** Comput'l Tools **Grades:** 4-12
Description: Word processor designed for the young writer; emphasizes ease of use; simplifies editing and re-drafting.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Scholastic Inc $95

†EASY TEXT (Text proces'r)
2)**Subj/Topic:** Comput'l Tools **Grades:** 4-14
Description: Stresses simplicity; features include text justification, merging/editing, centering & letter generation.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Artworx $34.95

†%MATHE MAGIC (Computl tool)
3)**Subj/Topic:** Comput'l Tools **Grades:** 4-14
Description: Solutions w/out programming mastered in minutes; has limitless capability for arithmetic/mathematic applic'tns.
Syst(s): Apple CP/M
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Int'l Softwe Mktg $159.90 [pk3,2p]**
Rev's: ST V2#8(+); PC2-3/82(+); CC 11/82(+)

DATA PLOT (Computl tool)
4)**Subj/Topic:** Comput'l Tools **Grades:** 6-12
Description: User can create, edit, store and print colored and labelled bar and pie charts and line graphs.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+d; ptr optl
Sce: Muse Software $59.95
Rev's: ET 5/82(0); SMW W82(+)

†%GRAPH MAGIC (Computl tool)
5)**Subj/Topic:** Comput'l Tools **Grades:** 7-14
Description: Menu driven pie charts, line point & bar graphs; storage & recall; add text anywhere overlaid graphs; full color.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Int'l Softwe Mktg $89.95 [pk3,2p]**
Rev's: PC 12/82(+)

†MEASUREMENT CONVERSION (Computl tool)
6)**Subj/Topic:** Comput'l Tools **Grades:** 7-12
Description: Performs 64 different measurement conversions in either direction; printed listing $3.00.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Aplsft
Sce: Persimmon Software $7.50

†%INTROSTAT 2.2 (Computl tool)
7)**Subj/Topic:** Comput'l Tools **Grades:** 9-11
Description: Statistics pkg. Behavioral sciences oriented, data file mgmt, 40 pg manual. Source code version $137.50.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Ideal Systems $77.50

COMPREHENSIVE: Class Mgt Aids

SANTA CLARA CMS (Teacher aid)
8)**Subj/Topic:** Class Mgt Aids **Grades:** K-3
Description: Individual & class records; makes IEP's; scores, records, print reports; crd rdr on key; Kinderg'n asses't.
Syst(s): Apple CBM TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Skillcorp Software $99.50

CMS - NUMBERS & OPERATIONS (Teacher aid)
9)**Subj/Topic:** Class Mgt Aids **Grades:** K-6
Description: 60 criterion tests; card reader; student, class, school records; makes lesson plans; major publishers.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 48K+disk,printer
Sce: Skillcorp Software $2000

GRADES (Teacher aid)
10)**Subj/Topic:** Class Mgt Aids **Grades:** K-12
Description: Mid-/end-term grades, up to 40 students, 10 subjs, weighting percent & letter grades, results by studnt or subjs.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Teacher's Pet $7.95

GRADE BOOK (Teacher aid)
11)**Subj/Topic:** Class Mgt Aids **Grades:** K-12
Description: A convenient system to keep class lists & grades. Calculates averages, median & student development on tests.
Syst(s): Apple
Lang/Min Hdwre: PASCAL; 64K + disk
Sce: Edu-Soft $29.95

PARENT REPORTING (Teacher aid)
12)**Subj/Topic:** Class Mgt Aids **Grades:** K-8
Description: Personalized messages to go home, covering subject areas, work habits, attitude, etc. Requires a printer.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+d,ptr,Apls+t
Sce: Hartley Courseware $39.95

†SYLLABUS WRITER (Teacher aid)
13)**Subj/Topic:** Class Mgt Aids **Grades:** K-16
Description: Displays, saves retrieves & modifies each element of course outline; prints outlines on paper.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+d,Aplsft, prt
Sce: Persimmon Software $35

ANALYSIS I & II (Teacher aid)
14)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Scoring, grading, statistical analyses of multiple choice tests; stores and reports performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; Ap32K/PET16K,disk
Sce: Microphys $40

TEACHER'S AID (Teacher aid)
15)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: A flexible attendance and grade management system for use in any subject area; easy editing/searching.
Syst(s): Apple Atari CBM PET
Lang/Min Hdwre: BASIC; Ap,At32K/P16K+dsk
Sce: Dr. Daley's Software $89.95

†GEN INSTRUCT'L MGT SYSTEM (Teacher aid)
16)**Subj/Topic:** Class Mgt Aids **Grades:** 1-14
Description: Maintain records for up to 600 students; for each objective there is pretest & postest; automatic test scoring.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Bertamax $650

COMP MGT SYST FOR READING (Teacher aid)
17)**Subj/Topic:** Class Mgt Aids **Grades:** 1-6
Description: 77 criterion tests; card reader; student, class, school records; makes lesson plans;92 publishers included.
Syst(s): Apple CBM TRS-80
Lang/Min Hdwre: BASIC; 48K+disk,printer
Sce: Skillcorp Software $2000

†GRADEKEEPER (Teacher aid)
18)**Subj/Topic:** Class Mgt Aids **Grades:** 1-14
Description: Easy to use;up to 33 stud's, up to 27 sets of test scores; computes mean, median, mode, standard deviation.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Bertamax $59.95

SIMULATION AIDE (TM) (Concept demo)
19)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Allows up to 32 students to engage in complex simulations that are carried out in real time.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Active Systems $495

†TEST ANALYST (Teacher aid)
20)**Subj/Topic:** Class Mgt Aids **Grades:** 1-14
Description: Excellent for use in reading programs; computes grade level, relevant statistics, average sent'ce & word length.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 40K + disk
Sce: Atari Prog Exchng $15.95

DECISION AIDE (TM) (Computl tool)
21)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Instantly collects &visually summarizes, for diceision making, the opinions & knowledge in a large group.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Active Systems $395
Rev's: THEJ 5/82

†EASYGRADER (Teacher aid)
22)**Subj/Topic:** Class Mgt Aids **Grades:** 1-14
Description: Store grades, computes averages, assign final grades, produce statistics & print reports.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 40K + DOS 2
Sce: Atari Prog Exchng $22.95

TEAM AIDE (TM) (Educ'l game)
23)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Teams of students compete to be the first to answer questions using the popular College Bowl quiz format.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Active Systems $249

CLASS AIDE (TM) (Teacher aid)
24)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Enables every member of an entire class actively to engage in group events such as discussions and lectures.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Active Systems $395

READING LEVEL ANALYSIS-DSK (Teacher aid)
25)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Computes reading level of text on any of 7 different scales; easy to use; avail in print, non-print vers'ns.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K+dsk;prtr optl
Sce: Bertamax $59.95

THE REPORTING SOFTWARE (Teacher aid)
26)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Provides a clear, sophisticated, diagnostic report on the results of computerized instruction.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Active Systems $149

%GRADEBOOK (Teacher aid)
27)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: From raw scores,provides % grading for each test,current avg & letter grade; sorts by name or achievement.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K ModIII+disk
Sce: Salsbury Assoc $15
Rev's: SMW W83(+)

%GRADE REPORTER (Teacher aid)
28)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Accepts scores & computes & reports grades & averages; one version for large classes, other for small ones.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Cross Educatl Soft $19.95

MARKS (Teacher aid)
29)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Takes marks of tests in various subject areas, weights them as per teacher request, producing final average.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comaldor $20

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

COMPREHENSIVE: Class Mgt Aids (CONT)

QUIZSTAT (Teacher aid)
1)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Performs test item analysis and computes class average for test; also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk40,2p]**

READING LEVEL (Teacher aid)
2)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Analyzes approx. grade level of read'g/writ'g sample; displays words in alpha seq by length,# syl'bls;also on dsk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk109,2p]**
Rev's: SMW Su82(+)

GRADER (Teacher aid)
3)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Weights grades, finds means & percentages, prints histograms, assigns letter grades & class ranks and more.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: COMPress $50

APPLE GRADEBOOK (Teacher aid)
4)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Stores (on disk), edits, & reports student information & grades; analyzes grades statistically.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Compuware $24.95
Rev's: CCN V2#3(+)

TEACHER UTILITIES-VOLUME I (Teacher aid)
5)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Makes tests and drills from teacher's questions; does banners,posters, vocabulary puzzles; does statist analyses.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K,DOS3.2,printr
Sce: Minn Ed Comp Consrt $30

GRADE AVERAGES (Teacher aid)
6)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: The teacher enters numerical or letter grades to get averages, ranks, and summary of grades.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET,16K others
Sce: Educat'l Activit's $11.95
Rev's: TCT V8#2(0)

READABILITY INDEX (Teacher aid)
7)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Determines the readibility of text based on word and sentence length, word difficulty.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET,16K others
Sce: Educat'l Activit's $14.95
Rev's: TCT V8#5(0)

CLASSFILE (Teacher aid)
8)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Stores names & up to 25 grades for class of 35; grades may be changed, weighted, averaged; 12 options.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: TYC Software $19.95
Rev's: ET 5/82(+); EL V2#3(+)

TEXTBOOK EVALUATOR (Teacher aid)
9)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Quickly evaluates the reading level of texts; also lists types and numbers of phonic categories found.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Mega-Byte Systems $12.95

MEDIA REGISTER (Teacher aid)
10)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Keep track of books, tapes, filmstrips, etc. Information printed to the screen or to the printer.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comm*Data Comp Hse $10.95

SCORE: ACADEMIC ASSISTANT (Teacher aid)
11)**Subj/Topic:** Class Mgt Aids **Grades:** 1-17
Description: Scores multiple choice tests with card reader input; maintains academic records. Requires 80-col. printer.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Scientific Softwe $395

INSTRUCTOR GRADEBOOK (Teacher aid)
12)**Subj/Topic:** Class Mgt Aids **Grades:** 1-14
Description: Records and reports group & individual performance for classes up to 400 students; includes summary statistics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Serendipity Syst's $19.95

APPLE GRADE BOOK (Teacher aid)
13)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Stores, maintains student grade records; averages, sorts, reports grades by student or by class.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk;ptr optl
Sce: J & S Software $34.50
Rev's: JRM V1(+); SMW Su82(+)

MMICRO (Teacher aid)
14)**Subj/Topic:** Class Mgt Aids **Grades:** K-9
Description: Instruct'l management/record keeping system for diagnostic and mastery testing of basic reading, math skills.
Syst(s): Apple CBM TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Educl Devlopmt Crp $1295

%CURRICULUM MANAGER (Teacher aid)
15)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Monitors/reports student progress on curriculum goals; reports at building, class & student levels.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+d,ptr,Aplsoft
Sce: Corp for P.I.E. $300
Rev's: EL 3-4/82(+); SMW W83(0)

READING ANALYSIS (Teacher aid)
16)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Program analyzes and reports difficulty level of reading material.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K, disk,printer
Sce: Micro Learningware $24.95 [pk42,2p]**

TEACHER'S GRADEBOOK (Teacher aid)
17)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Does seating charts, customizes grades to own system; continuous updat'g of stud't avgs,more;dsk vers $50.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K ModI/III+tape
Sce: Teaching Assistant $35.95

%CACTUS GRADE BOOK (Teacher aid)
18)**Subj/Topic:** Class Mgt Aids **Grades:** 1-14
Description: A record-keeping system for the classroom teacher; keeps numeric grades;does averages;prints stud't reprts.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Cactus Software $39.95

THE CLASSROOM MONITOR (Teacher aid)
19)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Disksharing/printsharing software lets a teacher download & monitor 63 student Apples.
Syst(s): Apple
Lang/Min Hdwre: PASCAL; 48K+disk
Sce: Softwe Connections $375

†GRADEBOOK (Teacher aid)
20)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Written for a point-based grading system; own curve; 10 output reports plus parent letters.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Educational Softwe $29.95

†GRADEBOOK (Teacher aid)
21)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12

GRADEBOOK
Courseware for TEACHERS

R/S TRS-80 Model III with one disk
Up to 45 students/class.....
Up to 20 tests/grading period.....
Alpha and/or achievement sort.....
Averages after each test.....
Weighted test scores.....
Letter grade equivalents.....
% calculation from 'raw scores'...
Dropping of lowest grade if wanted
Class average of every test.....
Roster modification at any time...
Commands in simple English words..
All classes on one disk.....
Complete instructions / demo class
Hardcopy printout...and MORE.....
.....$20.00 plus $1.00 postage....

SALSBURY ASSOCIATES INC.
608 Madam Moore's Lane
New Bern, NC 28560

Description: Records marks (letter or #); calculates weighted average; prts reports, flags incomplete work; sorted lists.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk drive
Sce: Digipac Comp Cnslt $19.95

†%MASTER GRADES PROGRAM (Teacher aid)
22)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Complete grades & attendance management system; produces numerous reports in alpha or percent order; easy use.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; Ap48K;PET16K +dsk
Sce: Midwest Software $39.50

†DIAGNOSTIC PRESCRIPT SYSTM (Teacher aid)
23)**Subj/Topic:** Class Mgt Aids **Grades:** 1-10
Description: System for diagnosing, prescribing, treating & evaluating math, reading & language skills.
Syst(s): Apple TRS-80 CP/M
Lang/Min Hdwre: FORTRAN; 64K+dsk
Sce: Learning Unlimited $495

†HOFFMAN XL CENTERS (Teacher aid)
24)**Subj/Topic:** Class Mgt Aids **Grades:** 1-8
Description: Computer mang'd lear'g center; provides daily prescriptions, ach records, individual/group reports, etc.
Syst(s): Apple
Lang/Min Hdwre: PASCAL; 48K + disk
Sce: Hoffman Educ Syst $500

†COMPUFILE (Teacher aid)
25)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Scores tests, maint'ns studt records of skill mastery, provides individual & group listings; tailoring avail.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Hoffman Educ Syst $85

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

COMPREHENSIVE: Class Mgt Aids (CONT)

†%GRADEBOOK (Teacher aid)
1)**Subj/Topic:** Class Mgt Aids **Grades:** 1-12
Description: Handles class rosters of 200 students with 96 grade entries each; averages & edits grades.
Syst(s): Apple
Lang/Min Hdwre: PASCAL; 48K + disk
Sce: Thorobred Softwe $75

†WORD LIST COMPARISON (Teacher aid)
2)**Subj/Topic:** Class Mgt Aids **Grades:** 2-14
Description: Save hours of tedious work; build master lists of words, enter second list, merge 2 lists, store, print out.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Bertamax $59.80

COMPREHENSIVE: Drill/Test Gens

MICRO TEST ADMIN SYSTEM (Test genrat)
3)**Subj/Topic:** Drill/Test Gens **Grades:** K-12
Description: Helps teachers develop, administer & score tests; provides in-depth analysis of test results on printed repts.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk,printer
Sce: Sci Research Assoc $750

†TEST WRITER (Test genrat)
4)**Subj/Topic:** Drill/Test Gens **Grades:** 1-14
Description: Simple process of creating professional looking tests; T or F, multiple choice, short answer, or short essay.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Bertamax $49.95

THE LEARNING BOX (Rote drill)
5)**Subj/Topic:** Drill/Test Gens **Grades:** 1-12
Description: A general-purpose drill authoring program; applicable to any subject; uses game format.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Fullmer Associates $50
Rev's: CUE 10/80

QUESLO - QUESGEN (Teacher aid)
6)**Subj/Topic:** Drill/Test Gens **Grades:** 1-12
Description: Generates and grades homework assignments and exams; two programs at $20 each.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET16K/Ap16K,disk
Sce: Microphys $40

ALPHABETIZE (Skills pract)
7)**Subj/Topic:** Drill/Test Gens **Grades:** 2-12
Description: Provides a general framework for presenting words for alphabetizing drill.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+dsk,Applesoft
Sce: Fullmer Associates $45

TEST AIDE (TM) (Test genrat)
8)**Subj/Topic:** Drill/Test Gens **Grades:** 1-12
Description: Designs & administers timed tests on any material for up to 32 students at the same time.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Active Systems $195

TESTRITE (Test genrat)
9)**Subj/Topic:** Drill/Test Gens **Grades:** 1-12
Description: Creates tests & ans keys fr/ multiple choice, completion, T/F, & matching items stored & maintained by system.
Syst(s): Apple TRS-80 CP/M
Lang/Min Hdwre: BASIC; 32K+d; CP/M 48K+d
Sce: Class 1 Systems $139

SCRAMBLE (Skills pract)
10)**Subj/Topic:** Drill/Test Gens **Grades:** 1-12
Description: Scrambles words for vocabulary or phonics drill in any language. Also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk18,2p]**

SPELL 'N TIME (Rote drill)
11)**Subj/Topic:** Drill/Test Gens **Grades:** 1-12
Description: Flashes word, student types in; remedial help; teacher controls vocabulary; reports perf; also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk40,2p]**
Rev's: SMW Su81(+); BY 11/81(0); SMW W83(+)

C-BITS I, II, IV (Test genrat)
12)**Subj/Topic:** Drill/Test Gens **Grades:** 1-12
Description: Gives indv tests(quest bank; groups concepts);rec scrs for 140 stud't, 17 tests;item anal;added feat's in ver2,4.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,prtr optl
Sce: Educ'l Soft Midwest $129

WORD SEARCH (Skills pract)
13)**Subj/Topic:** Drill/Test Gens **Grades:** 1-12
Description: Teacher types any 8-word categories; players pick matching categories.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $30

MATCH GAME (Educ'l game)
14)**Subj/Topic:** Drill/Test Gens **Grades:** 1-12
Description: Game us'g teacher's cue-ans pairs; can use exact matches, word pairs, prob & ans's,shape match;Apple ver $29.95.
Syst(s): Apple CBM PET TRS-80
Lang/Min Hdwre: BASIC; 16K;Ap+d;others+t
Sce: Teaching Tools $24.95
Rev's: SMW W82(+)

WORDS (Skills pract)
15)**Subj/Topic:** Drill/Test Gens **Grades:** 1-7
Description: Helps prepare word search worksheets; words hidden in maze of letters; output is to 80 column printer.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Color Sftwe Svcs $14.95

CREATE YOUR OWN-VOCABULARY (Rote drill)
16)**Subj/Topic:** Drill/Test Gens **Grades:** 1-12
Description: Helps teacher create vocabulary lessons; audio stimulus synch. with display; 50 lists of 40 wds; stud't mgt.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk, CCD
Sce: Hartley Courseware $26.95

STUDY QUIZ FILES (Rote drill)
17)**Subj/Topic:** Drill/Test Gens **Grades:** 1-12
Description: Create, save, retrieve, revise or run study quizzes on any subject without programming knowledge.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 48K; Apple DOS3.3
Sce: Compu-Tations $24.95

MULTIPLE CHOICE FILES (Test genrat)
18)**Subj/Topic:** Drill/Test Gens **Grades:** 1-12
Description: Create, save, retrieve, revise or run multiple choice quizzes on any subject without programming knowledge.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Compu-Tations $24.95

FLASH SPELL HELICOPTER (Skills pract)
19)**Subj/Topic:** Drill/Test Gens **Grades:** 1-12
Description: Teacher-entered words randomly selected & flashed for 1/2 second, student enters; game time based on perf.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Micrcomp Workshops $20

CROSSWORD MAGIC (Skills pract)
20)**Subj/Topic:** Drill/Test Gens **Grades:** 1-12
Description: Generates crossword puzzles from user words; interconnects automatically, prints playable copy; dsk vers $50.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 48K+t or dsk,ptr
Sce: L&S Computerware $29.95
Rev's: CCN 3-4/82(+); CC 4/82(+); CRC V1#1(+)

THE PUZZLER (Skills pract)
21)**Subj/Topic:** Drill/Test Gens **Grades:** 1-12
Description: Wordsearch puzzle maker that allows substitution of clues for hidden words; saves/edits puzzles in 3 sizes.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap48K/P32K+d,ptr
Sce: Tara Ltd. $52

QUEST/ANS&VOCAB FACILITIES (Rote drill)
22)**Subj/Topic:** Drill/Test Gens **Grades:** 1-12
Description: Multiple choice lessons & word lists are created by teacher for use in any subject area.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+disk
Sce: T.I.E.S. $99.95

†MICRO SPELL (Rote drill)
23)**Subj/Topic:** Drill/Test Gens **Grades:** 1-12
Description: Provides drill in spelling; automated, teacher can customize drills on disk $29.95.
Syst(s): TRS-80 VIC-20
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: M-R Info Syst $19.95

†SPIDE ATTACK (Educ'l game)
24)**Subj/Topic:** Drill/Test Gens **Grades:** 1-8
Description: Hi-res, fast moving game in which teacher creates own files; designs multiple choice, T/F, fill-in exerciese.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk
Sce: Ahead Designs $24.95

†SCRAMBLE (Skills pract)
25)**Subj/Topic:** Drill/Test Gens **Grades:** 1-6
Description: Students unscramble words from teacher created lists.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk
Sce: Ahead Designs $15.95
Rev's: TCT 3/82; CC 4/82

†%EXAM BUILDER (Test genrat)
26)**Subj/Topic:** Drill/Test Gens **Grades:** 1-12
Description: Complete exam question file for teachers; question & answer storage, retrieval.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + disk
Sce: A.U. Software $99.95

†WORD SEARCH GENERATOR (Skills pract)
27)**Subj/Topic:** Drill/Test Gens **Grades:** 2-12
Description: Create spelling & word exercises for 1 or 2 players;requires controllers; locate hidden words.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 2K + disk
Sce: Atari Prog Exchng $22.95

QUICK QUIZ (Test genrat)
28)**Subj/Topic:** Drill/Test Gens **Grades:** 2-12
Description: (26-1728) Teacher may create,store & give multiple-choice exer's & tests to 50 stud'ts at keybd; reprts perf.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K ModI/III,disk
Sce: Radio Shack $39.95

WORDSEARCH (Skills pract)
29)**Subj/Topic:** Drill/Test Gens **Grades:** 2-8
Description: Teacher enters word list; computer creates puzzle & answer key; teacher selects difficulty level.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Hartley Courseware $26.95

QUIZ MASTER (Rote drill)
30)**Subj/Topic:** Drill/Test Gens **Grades:** 2-9
Description: Enables teacher to create matched pair, true-false & multiple-choice drills/tests;w/ grafx rewards,perf reprts.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Atari Prog Exchng $22.95

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COMPREHENSIVE: Drill/Test Gens (CONT)

†VOCABULARY DEVELOPMENT (Rote drill)
1)**Subj/Topic:** Drill/Test Gens **Grades:** 2-14
Description: Teacher or student creates lists & clues; any curriculum or level.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K+disk,16K+tape
Sce: Aquarius Publish's $29.95

†MICRO QUIZ II (Rote drill)
2)**Subj/Topic:** Drill/Test Gens **Grades:** 2-12
Description: Aids teacher in authoring remedial or enrichment activities; can identify areas of weakness; disk $59.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: M-R Info Syst $39.95

†MICROTEST (Test genrat)
3)**Subj/Topic:** Drill/Test Gens **Grades:** 1-3
Description: Menu driven system enabling teachers to create and print their own objective tests.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K+disk,16K+tape
Sce: Chariot Software $195

†MICRO CAI (Rote drill)
4)**Subj/Topic:** Drill/Test Gens **Grades:** 2-12
Description: Student can create interactive quiz material without programming; teacher's guide included.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + disk
Sce: M-R Info Syst $89.95

OMNITEST (Rote drill)
5)**Subj/Topic:** Drill/Test Gens **Grades:** 3-12
Description: User may build question and answer files with drill & quiz game modes; complete with sample files.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Educl Comp Systs $34.95

T.E.S.T. (Test genrat)
6)**Subj/Topic:** Drill/Test Gens **Grades:** 3-12
Description: User creates up to 35 obj. quest's which prog gives in scored tests & drills; 2 progs; ModIII 2-dsk vers $49.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: TYC Software $13.95

TESTWRITE (Test genrat)
7)**Subj/Topic:** Drill/Test Gens **Grades:** 3-12
Description: Allows teacher to create, store, update & administer tests in any of 4 formats; scores tests & reports perf.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Mega-Byte Systems $19.95

SPELLING (Rote drill)
8)**Subj/Topic:** Drill/Test Gens **Grades:** 3-12
Description: Allows user to build disk files of own words; program flashes words, student practices spelling.
Syst(s): TRS-80 TRSCol
Lang/Min Hdwre: BASIC; 16K+tape
Sce: Micro Learningware $7.95

†TEST WRITER (Teacher aid)
9)**Subj/Topic:** Drill/Test Gens **Grades:** 3-16
Description: Program creates equivalent form exams in multiple choice format from user created pool of questions.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48k+disk, Aplsft
Sce: Persimmon Software $35

†%TEST PRESS (Test genrat)
10)**Subj/Topic:** Drill/Test Gens **Grades:** 3-12
Description: Teachers able to write multiple choice tests on file disks for later delivery to printer.
Syst(s): Apple
Lang/Min Hdwre: PASCAL; 48K + disk
Sce: Thorobred Softwe $95

†%TEST CRAFTOR (Test genrat)
11)**Subj/Topic:** Drill/Test Gens **Grades:** 3-12
Description: Multiple choice tests are authored, assembled & delivered to screen for Apple II.
Syst(s): Apple
Lang/Min Hdwre: PASCAL; 48K + disk
Sce: Thorobred Softwe $95

†TESTING SERIES-COMPLETION (Test genrat)
12)**Subj/Topic:** Drill/Test Gens **Grades:** 3-12
Description: Teachers can create,administer, score, print, & delete completion tests in any subject chosen.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Educat'l Coursewe $36

†TEST SERIES-MATCHING TESTS (Test genrat)
13)**Subj/Topic:** Drill/Test Gens **Grades:** 3-12
Description: Teachers can create,administer, score, print, & delete matching tests in any subject or grade level.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Educat'l Coursewe $36

†TEST SERIES - TRUE/FALSE (Test genrat)
14)**Subj/Topic:** Drill/Test Gens **Grades:** 3-12
Description: Teachers can create,administer, score, print, & delete true/false tests in any subject.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Educat'l Coursewe $36

†TEST SERIES-MULT'PL CHOICE (Test genrat)
15)**Subj/Topic:** Drill/Test Gens **Grades:** 3-12
Description: Teachers can create,administer, score, print, & delete multiple choice tests in any subject.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48k + disk
Sce: Educat'l Coursewe $36

†TEST SER-SPEL'NG PRT SP'CH (Test genrat)
16)**Subj/Topic:** Drill/Test Gens **Grades:** 3-12
Description: Teachers can create,administer, score, print, & delete spelling & parts of speech tests.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Educat'l Coursewe $36

THE ADAPTABLE SKELETON (Rote drill)
17)**Subj/Topic:** Drill/Test Gens **Grades:** 4-12
Description: Accepts & stores questions & answers, administers & scores drills/tests in mult-choice format;records/reprts perf.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Micro Power & Light $34.95

STUDY MADE EASY (Rote drill)
18)**Subj/Topic:** Drill/Test Gens **Grades:** 4-12
Description: Enables teacher or student to create drills to assist in studying any topic where rote drill is useful.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Compuware $14.95
Rev's: CRC V1#1(-)

†WORD ATTACK (Educ'l game)
19)**Subj/Topic:** Drill/Test Gens **Grades:** 4-12
Description: Student practices vocabulary building with arcade game format; extensive data file; 9 levels; easy editing.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Davidson & Assoc $49.95
Rev's: ST 3/83

T,S-SPELL (Rote drill)
20)**Subj/Topic:** Drill/Test Gens **Grades:** 6-12
Description: Given definition & no. of letters, student supplies word; reviews on poor perf;teacher supplies words &defin's.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: N.C.C.C.D. $5
Rev's: SMW W82(-)

†MENTOR MASTER GAME SHOW (Educ'l game)
21)**Subj/Topic:** Drill/Test Gens **Grades:** 6-13
Description: 2 players compete to alternately shoot down space missiles and answer teacher written questions.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk, Aplsft
Sce: Datatech Software $62
Rev's: CC 10/82

HANGMAN (Educ'l game)
22)**Subj/Topic:** Drill/Test Gens **Grades:** 7-12
Description: Comes with words for Math, Electronics, Computer & Physics; teacher can put in own special word list.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comaldor $20

STUDY BREAK (Rote drill)
23)**Subj/Topic:** Drill/Test Gens **Grades:** 8-12
Description: Accepts & stores questions & answers; gives quizzes or timed drills by category; auto review of missed items.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Med Systems Softwe $29.95

†FLASH CARD QUIZ & MAKER (Rote drill)
24)**Subj/Topic:** Drill/Test Gens **Grades:** 9-12
Description: Provides quiz on topics such as Eng or foreign words, inventions,hist'l date-events, etc; keeps score,sample file.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Academy Software $14.95

COMP SCIENCE: Computer Prog'g

TRS-80 COLOR LOGO (Lang proces'r)
25)**Subj/Topic:** Computer Prog'g **Grades:** K-12
Description: All std turtle grafx com'nds plus more; doodle mode creates prog from drawing; hatch mode allows mult turtles.
Syst(s): TRSCol
Lang/Min Hdwre: Machine; 32K + disk
Sce: Radio Shack $99.95

CYBER LOGO (Lang proces'r)
26)**Subj/Topic:** Computer Prog'g **Grades:** K-8
Description: Turtle graphics with color & sound, featuring on-line Help and manual written for naive user;lang card not reqd.
Syst(s): Apple
Lang/Min Hdwre: PASCAL; 48K + disk
Sce: Cybertronics Intl $99.95
Rev's: IW 4/26/82

M.I.T. LOGO/TUTOR/EXAMPLES (Lang proces'r)
27)**Subj/Topic:** Computer Prog'g **Grades:** K-12
Description: A simple procedure-oriented prog'g lang; includes hi-res turtle graphics; pkg includes tutor prog & examples.
Syst(s): Apple
Lang/Min Hdwre: Machine; 64K + DOS 3.3
Sce: Krell Software $179.95
Rev's: SMW Su82(-); ET 10/82(-)

M.I.T. LOGO (Lang proces'r)
28)**Subj/Topic:** Computer Prog'g **Grades:** K-12
Description: A simple, procedure-oriented programming language; includes high-resolution turtle graphics.
Syst(s): Apple
Lang/Min Hdwre: Machine; 64K + DOS 3.3
Sce: TerrapinInc. $149.95

KIDSTUFF (Lang proces'r)
29)**Subj/Topic:** Computer Prog'g **Grades:** 2-12
Description: Provides a LOGO-like language for the PET; includes turtle graphics & music; ext features if have 16K memory.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 8K+t;ptr,amp optl
Sce: J.L. Hammett $59.95
Rev's: SMW Su82(+); HO Sp80(+)

ANTFARM (Multi types)
30)**Subj/Topic:** Computer Prog'g **Grades:** K
Description: Students learn good programming practices in process of teaching ants in colony to carry out desired activities.
Syst(s):
Lang/Min Hdwre: PASCAL; 48K + DOS 3.3
Sce: WIMS Consulting $ n/av
Rev's: IW 6/82(+); EC V2#6(0)

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product.

COMP SCI/LITERACY: Computer Prog'g (CONT)

†VANILLA PILOT (Author lang)
1)**Subj/Topic:** Computer Prog'g **Grades:** 4-12
Description: Plain vanilla version of pilot computer language; turtle graphics.
Syst(s): PET
Lang/Min Hdwre: Machine; 16K+ tape or disk
Sce: Tamarack Software $29.95

EXTENDED WSFN (Lang proces'r)
2)**Subj/Topic:** Computer Prog'g **Grades:** 4-12
Description: Turtle graphics lang for teaching program'g to beginners; advanced joystick, debugging,mass storage features.
Syst(s): Atari
Lang/Min Hdwre: Machine; 16K+t; 24K+d
Sce: Atari Prog Exchng $22.95

NEVADA PILOT (Lang proces'r)
3)**Subj/Topic:** Computer Prog'g **Grades:** 4-12
Description: Interprets and executes programs written in the PILOT language.
Syst(s): CP/M
Lang/Min Hdwre: Machine; 32K + disk
Sce: Ellis Computing $149.95

%E-Z PILOT (Lang proces'r)
4)**Subj/Topic:** Computer Prog'g **Grades:** 4-12
Description: Very easy to use version of PILOT; only 10 commmands.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K+dsk,Applesoft
Sce: Teck Associates $39.95

MICRO-PILOT (Lang proces'r)
5)**Subj/Topic:** Computer Prog'g **Grades:** 4-12
Description: Extended version of PILOT lang with graphics & file management; Mod III version $119.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K ModI/III+disk
Sce: Radio Shack $99.95

PILOT (WITH TURTLE GRAPHX) (Lang proces'r)
6)**Subj/Topic:** Computer Prog'g **Grades:** 4-12
Description: Simple language for writing programs of all types, but including powerful graphics & music facilities.
Syst(s): Atari
Lang/Min Hdwre: Machine; 16K + tape
Sce: Atari Inc. $129.95
Rev's: SMW Su82(+); CUE 5/82(+); CR 10/82(+)

APPILOT II EDU-DISK (Lang proces'r)
7)**Subj/Topic:** Computer Prog'g **Grades:** 4-12
Description: Easy creation of programs using high & low resolution graphics, timer, light pen input & voice output.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk;other opt
Sce: Muse Software $99.95

†BASIC LOGO (Lang proces'r)
8)**Subj/Topic:** Computer Prog'g **Grades:** 5-12
Description: Adds turtle graphics and sprite movement commands to your BASIC; students can compose own video games.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; Mod I & Mod III
Sce: Cybernetic Info $49.95

BASIC TUTOR1-SYST COMMANDS (Tutorial)
9)**Subj/Topic:** Computer Prog'g **Grades:** 5-12
Description: Fundamentals of programming in BASIC, including the keyboard, PRINT, strings, and INPUT;1st in a tutor'l ser's.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Educat'l Coursewe $36

†BASIC TUTOR VIII ADV'CD TP (Tutorial)
10)**Subj/Topic:** Computer Prog'g **Grades:** 6-12
Description: Introduces PEEK/POKE calling Rom, changing pointers & add-resses, memory mapping & Hi-mem & Lo-mem.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Educat'l Coursewe $36

†BASIC TUT IX PROGM'NG AIDS (Tutorial)
11)**Subj/Topic:** Computer Prog'g **Grades:** 6-12
Description: Aset of subroutines around which learner can build programs; error trapping,house-cleaning,finding binary ad.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Educat'l Coursewe $36

ROBOTWAR (Multi types)
12)**Subj/Topic:** Computer Prog'g **Grades:** 6-12
Description: Players program their robots using BASIC/assembly lang concepts to control battle capabilities and strategies.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: Muse Software $39.95

FUNDAMENTALS OF PROGRAMM'G (Tutorial)
13)**Subj/Topic:** Computer Prog'g **Grades:** 6-12
Description: Instruc'n & pract with keyboard, PRINT statement & math calculat'ns; voice instruc'ns; demo of graphics, sound.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Atari Inc. $ n/av

HOW TO PROGRAM IN BASIC (Tutorial)
14)**Subj/Topic:** Computer Prog'g **Grades:** 6-14
Description: Intros BASIC programming & gives pract; incl self-directed review & correlated workbook; disk vers available.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Sterling Swift $74.95
Rev's: SMW W82(+); PM W80(0); SMW W83(0)

†APPLE BASIC-DATA FILES (Concept demo)
15)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Guide to programming and maintaining data files in Applesoft BASIC; disk contains subroutines for files.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: John Wiley & Sons $19.95
Rev's: CT 12/82(+)

†FAST BASIC (Concept demo)
16)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Guide to speeding BASIC programs by incorporating some assembly lang; contains tutorial on technique.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: John Wiley & Sons $19.95
Rev's: 80M 11/82(+)

†HOW TO PROG'M IN APPLESOFT (Tutorial)
17)**Subj/Topic:** Computer Prog'g **Grades:** 7-13
Description: 12 interactive lessons teach BASIC to the novice; simple commands; hi-res graphics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Hayden Book Co. $49.95

†PROG'RS WORKSHOP-APPLESOFT (Tutorial)
18)**Subj/Topic:** Computer Prog'g **Grades:** 7-13
Description: Teaches structured BASIC programming; a utility w/ 60 subroutines for sound, screen, control, etc.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+ disk
Sce: Hayden Book Co. $49.95

†BASIC VARIABLES (Tutorial)
19)**Subj/Topic:** Computer Prog'g **Grades:** 7-14
Description: Combined filmstrip & computer presentation teaches fundamentals of BASIC; 6 disks, filmstrips.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + tape
Sce: Adrian Vance $160

WRITING PROGRAMS ONE & TWO (Tutorial)
20)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Instruct'n & pract on libr'y functions, FOR-NEXT loops, READ, DATA,DIM, PEEK & POKE; voice instructions; 2 tapes.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Atari Inc. $ n/av

MECC PASCAL VOLUME 1 (Concept demo)
21)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Provides series of programs that increase in difficulty; list & run them to learn the language.
Syst(s): Apple
Lang/Min Hdwre: PASCAL; 48K + disk
Sce: Sunburst Commun's $39

PERSONAL PEARL (Lang proces'r)
22)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Lets users create new software thru English language dialog; can use in teaching problem-solving.
Syst(s): Apple TRS-80
Lang/Min Hdwre: PASCAL; CP/M configurat'n
Sce: Relational Systems $295

BASIC/ADVANCED BASIC/OPSYS (Tutorial)
23)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Inter-active self-instruct'n cses in simple,easy-to-follow lessons covering all you need to know; ea cse $69.95.
Syst(s): Apple PET CP/M
Lang/Min Hdwre: BASIC; various config's
Sce: Little Genius $179.95

THE PROGRAMMABLE CUBE (Lang proces'r)
24)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Is complete prog'g environment for writing/running progs to solve Rubik's Cube; also simulates cube sol'ns.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K + DOS 3.3
Sce: Metacomet $34.95
Rev's: SMW W83(0)

PROGRAMMER (Tutorial)
25)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Can teach you to program Apple II using fast Integer BASIC; 2 easy to follow lessons & tests.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+d,Integ BASIC
Sce: Monument Comp Serv $34.95

DISCOVERING BASIC (TM) (Tutorial)
26)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Teaches program'g fundamentals, shows stud'ts how to write simple programs in BASIC; includes 20 workbooks.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Sci Research Assoc $175

PROGRAMMER PLUS (Tutorial)
27)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: 16 lessons to teach you Applesoft II. Learn commands & start programming for yourself.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Monument Comp Serv $39.95

TURTLE (Tutorial)
28)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Tell the turtle what to do & watch it move. A turtle executes APPLE PASCAL turtlegraphics commands as entered.
Syst(s): Apple
Lang/Min Hdwre: PASCAL; 64K + disk
Sce: Edu-Soft $29.95

BASIC TUTOR3-GRAPHIC COMDS (Tutorial)
29)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Intros the creation of color graphics in both high & low resolution; part of a 9-prog series;series price $280.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Educat'l Coursewe $36

BASIC TUTOR4-MUSIC/SOUNDS (Tutorial)
30)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Intros creation of music and sounds;music background not needed; notes calibrated to piano;part of 9-prog series.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Educat'l Coursewe $36

BASIC TUTOR 5 - TEXT FILES (Tutorial)
31)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Teaches how to write and use sequential and random access text files; part of 9-program series (series pr $280).
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Educat'l Coursewe $36

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product.

COMP SCI/LITERACY: Computer Prog'g (CONT)

BASIC TUTR6-SHAPES/PICTURS (Tutorial)
1)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Shows how to create pictures & draw, manipulate 2-dimensional shapes; part of 9-prog series; series price $280.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Educat'l Coursewe $36

BASIC TUTOR7-STUDY SAMPLES (Tutorial)
2)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Several brief sample prog'ms written in Applesoft for study; helps polish own skills; part of 9-prog series.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Educat'l Coursewe $36

BASIC TUTR2-PROG'G COM'NDS (Tutorial)
3)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Intros most common program'g commands in Applesoft; sample listings & examples for study; part of 9-prog series.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Educat'l Coursewe $36

COLOR PASCAL (Lang proces'r)
4)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Allows creation & execution of PASCAL programs; incl supervisor, editor; req's ASCII text editor;on dsk $59.95.
Syst(s): TRSCol
Lang/Min Hdwre: Machine; 32K + tape
Sce: Computerware $49.95
Rev's: CC 11/82(0)

PROGRAM'G IN INTEGER BASIC (Tutorial)
5)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Lessons, questions & review on programming in Apple Integer BASIC;12 lessons; has Help function.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Hayden Book Co. $41.95
Rev's: JCR V1#1(+)

PROGRAMMER'S PRIMER (Tutorial)
6)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Graphic descr'ns of several hard concepts: decimal-hex conversion,subscript'g,arrays,FOR-NEXT loops, sorts,etc.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Instant Software $14.95

FLOATING POINT DICTIONARY (Data retr'val)
7)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Provides reference source for students learning BASIC; gives info, definitions, sample programs by command.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Chas. Mann & Assoc $29.95

THE TEACHER PLUS (Tutorial)
8)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Teaches how to program in Applesoft BASIC; the 18-lesson package uses a conversational approach.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + 2 disks
Sce: Chas. Mann & Assoc $39.95
Rev's: SMW Su82(0)

THE BASIC TEACHING PAC (Tutorial)
9)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: Teaches Integer and Applesoft BASIC in conversational approach; also includes dictionary of def'ns & ex's.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + 2 disks
Sce: Chas. Mann & Assoc $59.95

THE BASIC TEACHER (Tutorial)
10)**Subj/Topic:** Computer Prog'g **Grades:** 7-12
Description: 13 lessons which teach Integer BASIC; includes reviews, tests, problems, and an index.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Chas. Mann & Assoc $34.95

†GRAFORTH (Lang proces'r)
11)**Subj/Topic:** Computer Prog'g **Grades:** 8-16
Description: Apple graphics programming lang.; aids in developing graphic software for entertainment,education,other uses.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K + DOS 3.3
Sce: Insoft $75

INTRO TO SOUND & GRAPHICS (Tutorial)
12)**Subj/Topic:** Computer Prog'g **Grades:** 8-12
Description: Instruc'n & pract with music theory, programming music & programming sound; voice instructions; 2 cassettes.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Atari Inc. $ n/av

DISCOVER BASIC (Concept demo)
13)**Subj/Topic:** Computer Prog'g **Grades:** 8-12
Description: Teaches program'g using disk over approach;stud't lists prog,changes it & sees results;price incl workbook($5.95).
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Sterling Swift $74.95

STEP BY STEP (Tutorial)
14)**Subj/Topic:** Computer Prog'g **Grades:** 8-12
Description: Instruction and practice on the BASIC language; 32 programs & workbook; Apple disk version, $79.95.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K;Ap+d;others+t
Sce: Program Design Inc $49.95
Rev's: MJ V3#2(0)

6502 MACH. LANG. CONCEPTS (Concept demo)
15)**Subj/Topic:** Computer Prog'g **Grades:** 8-12
Description: 14 programs illustrate concepts of 6502 instruction set & addressing modes. Requires disk drive.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Sheridan College $150

DISPLAY LISTS (Tutorial)
16)**Subj/Topic:** Computer Prog'g **Grades:** 8-12
Description: Tells how to change screen formatting to mix large/small text, high- & lo-res grafx;incl examples & calcul'ns.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+tape,joystick
Sce: Santa Cruz Edu Sof $14.95 [pk98,6p]**

HORIZ'L/VERTICAL SCROLLING (Tutorial)
17)**Subj/Topic:** Computer Prog'g **Grades:** 8-12
Description: Tells how to program for moving info around screen w/ joystick; includes 18 examples & machine-lang subrout.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+tape,joystick
Sce: Santa Cruz Edu Sof $14.95 [pk98,6p]**

PAGE FLIPPING (Tutorial)
18)**Subj/Topic:** Computer Prog'g **Grades:** 8-12
Description: Tells how to draw picture while viewing preceding one & then flip instantly to new one;avoids slow redraw'g.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+tape,joystick
Sce: Santa Cruz Edu Sof $14.95 [pk98,6p]**

BASICS OF ANIMATION (Tutorial)
19)**Subj/Topic:** Computer Prog'g **Grades:** 8-12
Description: Tells how to animate simple shapes using PRINT & PLOT; includes player/missile graphics example.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+tape,joystick
Sce: Santa Cruz Edu Sof $14.95 [pk98,6p]**

PLAYER MISSILE GRAPHICS (Tutorial)
20)**Subj/Topic:** Computer Prog'g **Grades:** 8-12
Description: Teaches how to program player/missile graphics, starting with simple examples & building to complex game.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 32K+tape,joystick
Sce: Santa Cruz Edu Sof $14.95 [pk98,6p]**

SOUND (Tutorial)
21)**Subj/Topic:** Computer Prog'g **Grades:** 8-12
Description: Teaches how to generate everything from simple notes to complex chords & sound effects; many examples.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+tape,joystick
Sce: Santa Cruz Edu Sof $14.95 [pk98,6p]**

THE KAREL SIMULATOR (Lang proces'r)
22)**Subj/Topic:** Computer Prog'g **Grades:** 8-12
Description: Students learn structured program'g techniques in a Pascal-like program'g/debug'g environm't; compl pkg $242.
Syst(s): Apple
Lang/Min Hdwre: PASCAL; 48K+dsk,lang card
Sce: Cybertronics Intl $85
Rev's: IW 4/26/82; EL 9/82(+); SMW W83(+)

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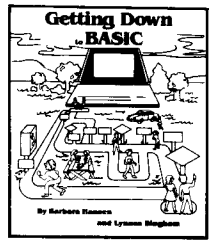

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COMP SCI/LITERACY: Computer Prog'g (CONT)

†ADV'C BASIC SELF INSTR CSE (Tutorial)
1)**Subj/Topic:** Computer Prog'g **Grades:** 9-16
Description: Inter-active self-instruc'tn course in simple easy to follow lessons.
Syst(s): Apple PET CP/M
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Little Genius $69.95

†BASIC SELF INSTRUCT'N CSE (Tutorial)
2)**Subj/Topic:** Computer Prog'g **Grades:** 9-16
Description: Inter-active self instruct'n course in simple easy to follow lessons.
Syst(s): Apple PET CP/M
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Little Genius $69.95

†THE GRAPHIC PROGRAMMER (Tutorial)
3)**Subj/Topic:** Computer Prog'g **Grades:** 9-14
Description: Course in graphic program'ng to design & enter shape tables directly or as DATA statements in programs;guide incl.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Adrian Vance $40

COMPUTER POWER COURSEWARE (Multi types)
4)**Subj/Topic:** Computer Prog'g **Grades:** 9-12
Description: 7 disks of demonstration programs & programming tools for teaching programming of graphics,animation & music.
Syst(s): Apple
Lang/Min Hdwre: PASCAL; 48K + disk
Sce: McGraw-Hill (Gregg) $385 [pk95,2p]**
Rev's: CT 10/82(+)

INTERPAS (Lang proces'r)
5)**Subj/Topic:** Computer Prog'g **Grades:** 9-12
Description: Interpreter for exclusive McGraw-Hill RASCAL version of PASCAL; includes 1-key commands, program editing.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K + disk
Sce: McGraw-Hill (Gregg) $385 [pk95,2p]**

ATARI PASCAL LANG SYSTEM (Lang proces'r)
6)**Subj/Topic:** Computer Prog'g **Grades:** 9-12
Description: Multi-pass compiler supports ISO draft std DPS/7185 (10/1/80); full proced/variable access among modules.
Syst(s): Atari
Lang/Min Hdwre: Machine; 48K + 2 disks
Sce: Atari Prog Exchng $49.95

STEP BY STEP 2 (Tutorial)
7)**Subj/Topic:** Computer Prog'g **Grades:** 9-12
Description: Tutorial covering intermediate BASIC program'g, mach-language program'g related to BASIC & hi-res graphics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Program Design Inc $79.95

STEP BY STEP 3 (Tutorial)
8)**Subj/Topic:** Computer Prog'g **Grades:** 9-12
Description: Tutorial covering disk operating system, input/output & shape tables.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Program Design Inc $79.95

MACHINE LANG STEP BY STEP (Tutorial)
9)**Subj/Topic:** Computer Prog'g **Grades:** 9-12
Description: Teaches how to program Apple in machine language and how to use an assembler; uses simulation techniques.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Program Design Inc $ n/av

NEVADA COBOL (Lang proces'r)
10)**Subj/Topic:** Computer Prog'g **Grades:** 9-12
Description: Compiles, runs COBOL programs; enables the teaching of this language on a microcomputer; requires CP/M.
Syst(s): Apple PET TRS-80 CP/M
Lang/Min Hdwre: Machine; As neces for CP/M
Sce: Ellis Computing $199.95

SUPER APPLE BASIC (Lang proces'r)
11)**Subj/Topic:** Computer Prog'g **Grades:** 9-12
Description: Allows structured programming in BASIC; includes text editor, preprocessor & output formatter.
Syst(s): Apple
Lang/Min Hdwre: Machine; 32K,disk;prtr opt
Sce: Hayden Book Co. $24.95

MICRO-DYNAMO (Lang proces'r)
12)**Subj/Topic:** Computer Prog'g **Grades:** 9-12
Description: Students may describe models of real-world situations to computer for simulation; no programming exper required.
Syst(s): Apple
Lang/Min Hdwre: PASCAL; 64K+2dsks,PASCcrd
Sce: Addison-Wesley $245
Rev's: CC 11/82(+)

COMP SCI/LITERACY: Computer Science

MICRO DISCOVERY (Tutorial)
13)**Subj/Topic:** Computer Scienc **Grades:** 4-8
Description: Instruction & exercises on computers,data manipulation,hardware and software concepts, introd to programming.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K+dsk; TRS Mod3
Sce: Sci Research Assoc $190

DUMP (Concept demo)
14)**Subj/Topic:** Computer Scienc **Grades:** 6-12
Description: Lists to screen or printer the contents of ROM or RAM memory in hexadecimal, decimal, ASCII, and octal.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 4K + tape
Sce: Color Sftwe Svcs $9.95

†COMPUTER MATH PARTS 1 & 2 (Tutorial)
15)**Subj/Topic:** Computer Scienc **Grades:** 7-12
Description: Describes powers of numbers & arithmetic of powers; embedded questions & drill plus tests.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3/3.2
Sce: Ctr-Educ'l E.D.E. $45

†COMPUTER MATH PARTS 3 & 4 (Tutorial)
16)**Subj/Topic:** Computer Scienc **Grades:** 7-12
Description: Describes negative numbers; comprehensive review; embedded questions & drill plus tests.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3/3.2
Sce: Ctr-Educ'l E.D.E. $45

†COMPUTER MATH PARTS 5 & 6 (Tutorial)
17)**Subj/Topic:** Computer Scienc **Grades:** 7-12
Description: Describes coefficients & octal system; embedded questions & drill plus assessment & mastery tests.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: Ctr-Educ'l E.D.E. $45

†COMP'R MATH PART 7 & TEST (Skills pract)
18)**Subj/Topic:** Computer Scienc **Grades:** 7-12
Description: Reviews concepts about decimals & octal systs; embedded questions & drill plus assessment & mastery tests.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: Ctr-Educ'l E.D.E. $30

SIMULATED COMPUTER (Simulation)
19)**Subj/Topic:** Computer Scienc **Grades:** 7-12
Description: A graphic, but simple, demonstraton of a micro-processor using machine language; disk version $19.95.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Edu-Soft $14.95
Rev's: CC 9/80

NUMBER BASE CONVERSION (Skills pract)
20)**Subj/Topic:** Computer Scienc **Grades:** 8-12
Description: Number conversion from 1 to base 2, 8, 10, or 16. Can add & subtract numbers between bases.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Demi-Software $9.95

COMP SCI/LITERACY: Comput Lit'cy

INTRO TO MICROCOMPUTERS (Tutorial)
21)**Subj/Topic:** Comput Lit'cy **Grades:** 3-9
Description: Six programs which help the student acquire keyboard skills and knowledge of computer terms and components.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; Ap+dsk,others tap
Sce: Mentor Software $54.95
Rev's: PM Su80(+)

†INTRO TO COMPUTER MODULE I (Concept demo)
22)**Subj/Topic:** Comput Lit'cy **Grades:** 4-8
Description: A basic foundation module covering the use of the keyboard, operation of computer components and more.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Innovat Prog Assoc $44.95

†COMPUTER AS A CALCULATOR (Concept demo)
23)**Subj/Topic:** Comput Lit'cy **Grades:** 4-10
Description: Demonstrates computer use to perform calculations from simple arithmetic functions to more advanced topics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Innovat Prog Assoc $29.95

†THE PRINTER-COMPU LIT III (Concept demo)
24)**Subj/Topic:** Comput Lit'cy **Grades:** 4-10
Description: Reviews purpose of printer & describes varieties available; demonstrates various forms of ouput & more.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Innovat Prog Assoc $36.95

† This is a new entry in THE SOFTWARE FINDER. ** See Intro. and Sect. II-3.

COMP SCI/LITERACY: Comput Lit'cy (CONT)

†GRAPHICS-COMPU LIT MOD IV (Concept demo)
1)**Subj/Topic:** Comput Lit'cy **Grades:** 4-12
Description: Provides comprehensive intro to computer graphics. Deals with both hi-res and low-res graphics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Innovat Prog Assoc $44.95

†UNDERSTANDING COMPUTERS (Tutorial)
2)**Subj/Topic:** Comput Lit'cy **Grades:** 5-12
Description: Intro of basic compu lit'cy concepts emphasizing computers as integral part of daily life; backup $100.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Encyclopedia Britt $266

KNOW YOUR APPLE (TM) (Tutorial)
3)**Subj/Topic:** Comput Lit'cy **Grades:** 6-12
Description: Lessons tell all about the Apple II w/ animated grafx,voice,music,and friendly language; also IIe vers @ $24.95.
Syst(s): Apple
Lang/Min Hdwre: PILOT; 48K + disk
Sce: Muse Software $34.95

COMPUTER DISCOVERY (Tutorial)
4)**Subj/Topic:** Comput Lit'cy **Grades:** 6-12
Description: Instruction & exercises on computer history & social/economic impact, program'g, hardware & software concepts.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Sci Research Assoc $200
Rev's: EL 9/81(+); JCR V1#1(+); CR 8-9/82(+)

THE ELECTRONIC TOOL (Tutorial)
5)**Subj/Topic:** Comput Lit'cy **Grades:** 7-12
Description: Introduces & demonstrates computer vocabulary, concepts & operation; gives hands-on experience w/ applications.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Micro Power & Light $34.95

COMPUTER DISCOVERY (Concept demo)
6)**Subj/Topic:** Comput Lit'cy **Grades:** 7-12
Description: Computer awareness program from SRA; uses combined computer prog,student wrkbk; separate jr. & sr. high ver's.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K ModI/III+ dsk
Sce: Radio Shack $189.95

†SIMULATIONS-COMPU LIT (Concept demo)
7)**Subj/Topic:** Comput Lit'cy **Grades:** 9-12
Description: Guides user thru training, educational, & financial simulations. Includes interactive simulations also.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Innovat Prog Assoc $36.95

†STATISTICS - COMPU LIT (Concept demo)
8)**Subj/Topic:** Comput Lit'cy **Grades:** 9-12
Description: Illustates how computer used to perform statistical calculations. Includes permutations, means, etc.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Innovat Prog Assoc $29.95

AIRPORT (Concept demo)
9)**Subj/Topic:** Comput Lit'cy **Grades:** 9-12
Description: Simulates Air Canada's reservation system. Could be used to illustrate data base applications.
Syst(s): CBM
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Sheridan College $150

DRIVER EDUCATION

YELLOW LIGHT (Simulation)
10)**Subj/Topic:** General **Grades:** 9-12
Description: Allows student to experiment with various characterics of an intersection & determine its safety.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: N.C.C.C.D. $5
Rev's: SMW Su81(-)

LANE IDENTIFICATION (Skills pract)
11)**Subj/Topic:** General **Grades:** 9-12
Description: Covers laws & rules for proper turns & passing maneuvers; roads, intersections & traffic graphically illus.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

†DRIVER'S AID (Tutorial)
12)**Subj/Topic:** General **Grades:** 10-14
Description: Simulated driving lesson; learn road rules, signs & shapes, laws, safety tips, pedestrian rules;sample test.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Aquarius Publish's $55

†DRIVER ED-DRIVER'S TEST (Test genrat)
13)**Subj/Topic:** General **Grades:** 10-14
Description: Wrap-up quiz covers basic rules driver must know before getting behind the wheel.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 3K + tape
Sce: Micro-Ed $39.95 [pkl22,4p]**

†DRIVER EDUCATION-SIGNS (Skills pract)
14)**Subj/Topic:** General **Grades:** 10-14
Description: Proper interpretation of traffic signs, shapes & colors, leads to safe & effective driving skills.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 3K + tape
Sce: Micro-Ed $39.95 [pkl22,4p]**

†DRIVER EDUCATION-SIGNALS (Skills pract)
15)**Subj/Topic:** General **Grades:** 10-14
Description: Must show knowledge of colored signals for stop, go, turn, & lane control by reacting properly.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 3K + tape
Sce: Micro-Ed $39.95 [pkl22,4p]**

†DRIVER ED-LANE IDENTIFIC'N (Skills pract)
16)**Subj/Topic:** General **Grades:** 10-14
Description: Test on laws & rules for proper turns & passing maneuvers; on 1-way & 2-way roads & their intersections.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 3K + tape
Sce: Micro-Ed $39.95 [pkl22,4p]**

†DRIVER 1 (Rote drill)
17)**Subj/Topic:** General **Grades:** 10-14
Description: Drill in Minn highway rules; program uses graphics to portray highway signs; true/false questions on rules.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.3
Sce: Minn Ed Comp Consrt $30 [pkl27,5p]**
Rev's: JRM V1(0)

†DRIVER 2 (Rote drill)
18)**Subj/Topic:** General **Grades:** 10-14
Description: More drill in Minn highway rules; program uses graphics to portray highway signs; 63 random questions.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.3
Sce: Minn Ed Comp Consrt $30 [pkl27,5p]**
Rev's: JRM V1(0)

ENGLISH: Basic Skills

†TEAM WORK:AMER THEME, SCI (Educ'l game)
19)**Subj/Topic:** Basic Skills **Grades:** 2-7
Description: 2 teams of 4 stu'ts work cooperatively to find common solution in their windows; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;padls
Sce: Edupro $19.95

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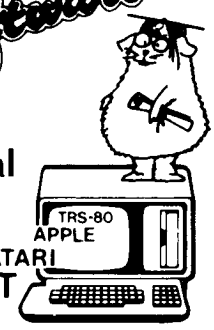

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Multiple Topics

SPELL'G BEE W/ READ PRIMER (Rote drill)
20)**Subj/Topic:** Multiple Topics **Grades:** K-2
Description: Two programs introduce the learner to spelling and reading by linking familiar objects with words.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Edu-Ware Services $39.95
Rev's: ET 10/82(+)

† This is a new entry in THE SOFTWARE FINDER. ** See Intro. and Sect. II-3.

ENGLISH: Multiple Topics (CONT)

†TEAM WORK: LANGUAGE ARTS (Educ'l game)
1)**Subj/Topic:** Multiple Topics **Grades:** K-3
Description: 2 teams of 4 stud'ts work cooperatively to discover common principle demons'td in their "windows"; disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d
Sce: Edupro $19.95

†FUNBUNCH 1/COMPUTER DOODLE (Skills pract)
2)**Subj/Topic:** Multiple Topics **Grades:** 1-2
Description: Practice in reading, speed reading & spelling; own words & phrases or computer's.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Comp Lrg Ctr Child $14.95

†TEAM WORK:AMER THEME,LNGAR (Educ'l game)
3)**Subj/Topic:** Multiple Topics **Grades:** 2-7
Description: 2 teams of 4 stu'ts work cooperatively to discover common lang arts concepts being presented; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t,24K+d;padls
Sce: Edupro $19.95

†TEAM WORK:AMER THEME, MATH (Educ'l game)
4)**Subj/Topic:** Multiple Topics **Grades:** 2-7
Description: 2 teams of 4 stu'ts work cooperatively to solve mathematical concepts in their "windows"; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;padls
Sce: Edupro $19.95

†BEYOND WORDS I (Rote drill)
5)**Subj/Topic:** Multiple Topics **Grades:** 3-5
Description: Practice with contractions, abbreviations, spelling,synonyms/antonyms; 300 quest's;600 words; reviews;modifiable.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Computer Island $19.95

†FUNBUNCH 2/COMPUTER DOODLE (Skills pract)
6)**Subj/Topic:** Multiple Topics **Grades:** 3-4
Description: Practice in reading, speed reading & spelling; own words & phrases or computer's.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Comp Lrg Ctr Child $14.95

†ENGLISH BASICS- CONCEPTS (Tutorial)
7)**Subj/Topic:** Multiple Topics **Grades:** 4-6
Description: A 2-prog series on concepts in lang arts including homonyms, synomyms, antonyms & contractions; disk $99.95.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; 16K+t; 32K + disk
Sce: Educat'l Activit's $85

†ENGLISH OLYMPICS (Educ'l game)
8)**Subj/Topic:** Multiple Topics **Grades:** 4-9
Description: Stud'nt learns grammar, syntax, spelling & vocab by competing in "Olympic" events; animation, music.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Instant Software $39.95

COMPUCROSTICS (Educ'l game)
9)**Subj/Topic:** Multiple Topics **Grades:** 5-12
Description: Computer assisted double acrostics solver never gives up; helps vocabulary, spelling, reading, grammar.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: E. David & Assoc. $19.95

†FUNBUNCH 3/COMPUTER DOODLE (Skills pract)
10)**Subj/Topic:** Multiple Topics **Grades:** 5-6
Description: Practice in reading, speed reading & spelling; words & phrases; computer doodle etch-a-sketch.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Comp Lrg Ctr Child $14.95

MECHANICS OF ENGLISH BLS93 (Tutorial)
11)**Subj/Topic:** Multiple Topics **Grades:** 6-9
Description: Instruct'n in use of correct sent'nc constr'n,punctuation & capitalization; 23 lessons; 4 prgs avail separately.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: BLS/Random House $1173

†BEYOND WORDS II (Rote drill)
12)**Subj/Topic:** Multiple Topics **Grades:** 6-8
Description: Practice with homonyms,synonyms/antonyms & common misspellings; 300 quest's;600 words;reviews;user modifiable.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Computer Island $19.95

CROSS CLUES (TM) (Educ'l game)
13)**Subj/Topic:** Multiple Topics **Grades:** 7-12
Description: Word game; uses vocabulary, spelling, word structure skills to uncover words in 50 diff'rnt puzzle grids;2 play.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Sci Research Assoc $29.95
Rev's: IW 12/14/81(+); EC 3-4/82(+); IA 5/82

†TEAM WORK:WRLD AR US, ENG (Educ'l game)
14)**Subj/Topic:** Multiple Topics **Grades:** 7-12
Description: 2 teams of 4 stud'ts cooperate to solve problems related to English on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d
Sce: Edupro $19.95

†FUNBUNCH - INTERMEDIATE (Skills pract)
15)**Subj/Topic:** Multiple Topics **Grades:** 7-9
Description: Practice in spelling & speed reading; own words & phrases or computers; includes doodle - art game.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Comp Lrg Ctr Child $29.99

†FUNBUNCH - ELEMENTARY (Skills pract)
16)**Subj/Topic:** Multiple Topics **Grades:** 1-6
Description: Practice in spelling, speed reading; own words or phrases or computers computer doodle game.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Comp Lrg Ctr Child $29.99

†FUNBUNCH (Skills pract)
17)**Subj/Topic:** Multiple Topics **Grades:** 7-8
Description: Practice in spelling, speed reading; own words & phrases or computers.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Comp Lrg Ctr Child $14.95

†FUNBUNCH 4/MAZE-EATING-MAN (Skills pract)
18)**Subj/Topic:** Multiple Topics **Grades:** 7-8
Description: Practice in reading, speed reading & spelling; words & phrases; maze type game included.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Comp Lrg Ctr Child $14.95

†FINDING THE REASONS III&IV (Tutorial)
19)**Subj/Topic:** Multiple Topics **Grades:** 7-12
Description: Focus on reading comprehension & writing skills; identify word meanings in context & categorize ideas.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: Ctr-Educ'l E.D.E. $90

†BEYOND WORDS III (Rote drill)
20)**Subj/Topic:** Multiple Topics **Grades:** 9-12
Description: Practice with analogies, synonyms/antonyms,common misspellings; 300 quest's;600 words;reviews;user modifiable.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Computer Island $19.95

Grammar

†WORD RACE:GRAMMAR/WRDSKILL (Educ'l game)
21)**Subj/Topic:** Grammar **Grades:** K-3
Description: 8 stud'ts solve races that build knowledge of elements of grammar & word skills; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;padls
Sce: Edupro $19.95

†%ASSOCIATIVE IDEA GENERATOR (Skills pract)
22)**Subj/Topic:** Grammar **Grades:** K-6
Description: Learn the use of nouns and adjectives through original, creative phrases.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Johnson Software $10

USAGE BONERS (Skills pract)
23)**Subj/Topic:** Grammar **Grades:** 1-8
Description: Practice identifying common mistakes made in English usage; reports student performance; 15 tapes.
Syst(s): Apple Atari PET TRSCol VIC-20
Lang/Min Hdwre: BASIC; Ap/Col+d;At/P/V+t
Sce: Micro-Ed $99

MAKE A SENTENCE (Skills pract)
24)**Subj/Topic:** Grammar **Grades:** 1-2
Description: Uses sound, group of words on screen; using these words, student types a complete sentence.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K+tape,amplifier
Sce: Micro-Ed $7.95

†RECOGNIZING NOUNS (Tutorial)
25)**Subj/Topic:** Grammar **Grades:** 1-3
Description: Student recognizes nouns as person,place or thing words;with examples; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†RECOGNIZING FULL SENTENCES (Tutorial)
26)**Subj/Topic:** Grammar **Grades:** 1-3
Description: Sentences explained & shown; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†RECOGNIZING VERBS (Tutorial)
27)**Subj/Topic:** Grammar **Grades:** 1-3
Description: Teaches recognizing verbs as doing words, examples help understanding; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

VERBS (Skills pract)
28)**Subj/Topic:** Grammar **Grades:** 2-5
Description: Identify 1 or 2 verbs in sent'nc;graphic tutor'l after 2 wrong; can enter own sent's;1-4 users; on dsk $10.95.
Syst(s): PET CBM
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95

VERB USAGE 1,2,3 (Tutorial)
29)**Subj/Topic:** Grammar **Grades:** 2-6
Description: 20 lessons, 4 tests on verb usage;discrimination between present,past, past participle forms of verbs; 3 disks.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+Applesoft,dsk
Sce: Hartley Courseware $49.95

AGREEM'T OF SUBJECT & VERB (Skills pract)
30)**Subj/Topic:** Grammar **Grades:** 2-8
Description: Student chooses verb form agreeing with verb; success helps win locomotive race; reports performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95
Rev's: SMW Su81(0)

PERSON, PLACE, THING (Skills pract)
31)**Subj/Topic:** Grammar **Grades:** 2-5
Description: Student categorizes nouns by moving to correctly labelled box; only two keys needed.
Syst(s): Apple TRS-80 TRSCol
Lang/Min Hdwre: BASIC; App+d; TRS/TRSC+t
Sce: Micro Learningware $7.95
Rev's: SMW Su81(-)

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product.

ENGLISH: Grammar (CONT)

NOUN RECOGNITION (Skills pract)
1)**Subj/Topic:** Grammar **Grades:** 2-8
Description: Student identifies nouns in randomly selected sentences; robot gives feedback; uses only two keys.
Syst(s): Apple TRS-80 TRSCol
Lang/Min Hdwre: BASIC; App+d; TRS/TRSC+t
Sce: Micro Learningware $7.95

†WORD RACE:AMER THEME,GRAM (Educ'l game)
2)**Subj/Topic:** Grammar **Grades:** 2-7
Description: 8 stu'ts find right grammatical construction using individual race tracks; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;padls
Sce: Edupro $19.95

GRAMMAR PROBLEMS: HOMONYMS (Skills pract)
3)**Subj/Topic:** Grammar **Grades:** 3-9
Description: 2 dsks;lessons w/ pre-/post-test, exercises & review of missed items; incl mgt syst for prescript,perf report'g.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk;ptr optl
Sce: Milliken Publish'g $80

GRAMMAR PROBLEMS: VERBS (Skills pract)
4)**Subj/Topic:** Grammar **Grades:** 3-9
Description: 2 dsks;lessons have practice exercises incl "Help" option & post-test; incl mgt syst for prescript,perf report'g.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk;ptr optl
Sce: Milliken Publish'g $80

GRAMMAR PROBLEMS: PRONOUNS (Skills pract)
5)**Subj/Topic:** Grammar **Grades:** 3-9
Description: 2 dsks; lessons w/ practice exercises w/ "Help" option & post-test; incl mgt syst for prescript,perf report'g.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk;ptr optl
Sce: Milliken Publish'g $80

PAST TENSE/PRESENT TENSE (Skills pract)
6)**Subj/Topic:** Grammar **Grades:** 3-12
Description: Proper use of past & present tense is the objective of this program.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K/TRS32K+dsk
Sce: Comp Cseware Srvcs $55

IDENTIFY COMPLETE SENTENCE (Skills pract)
7)**Subj/Topic:** Grammar **Grades:** 3-5
Description: Group of words presented; student must identify whether or not it is a complete sentence.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Micro-Ed $7.95

MASTERING PARTS OF SPEECH (Educ'l game)
8)**Subj/Topic:** Grammar **Grades:** 3-8
Description: 6 illustrated games give student recognition & usage practice; 2 diffic levels, perf rept; 42 skill sheets.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Soc for Visual Ed $299

DRAGON GAMES (Educ'l game)
9)**Subj/Topic:** Grammar **Grades:** 3-6
Description: A game format that allows student to review & practice parts of speech; disk version available.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Educat'l Activit's $49
Rev's: BR V1#2(+)

NOUNS (Skills pract)
10)**Subj/Topic:** Grammar **Grades:** 3-5
Description: Identify 1 or 2 nouns in sent'nc;graphic tutor'l after 2 tries; 1-4 users; can enter own sent's;on dsk $10.95.
Syst(s): PET CBM
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95

A & AN (Skills pract)
11)**Subj/Topic:** Grammar **Grades:** 3-6
Description: Student fills in a or an before a noun; the Fonz rewards a correct ans; help after 2 wrong; on disk $10.95.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95

CRAZY SENTENCES (Educ'l game)
12)**Subj/Topic:** Grammar **Grades:** 3-8
Description: This no-pressure language activity makes fun out of naming nouns, adjectives, verbs & adverbs.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Edutek Corp. $20 [pk32,6p]**

NOUNS/PRONOUNS (Skills pract)
13)**Subj/Topic:** Grammar **Grades:** 3-8
Description: Pract identifying nouns,pronouns, pronoun antecedents and plurals, stores and reports student performance.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Hartley Courseware $39.95

VERBS (Skills pract)
14)**Subj/Topic:** Grammar **Grades:** 3-8
Description: Practice on tense, subject-predicate agreement, contractions, correct usage; student management disk.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Hartley Courseware $39.95

ENGLISH (Skills pract)
15)**Subj/Topic:** Grammar **Grades:** 3-6
Description: Silly sentences compiled by computer from parts of speech picked by student.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comm*Data Comp Hse $9.95

BASIC LANGUAGE SKILLS (Tutorial)
16)**Subj/Topic:** Grammar **Grades:** 3-6
Description: Defines parts of speech and gives ex's; creates funny stories using wds from stud't; 5 titles; disk vers $84.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Orange Cherry Med $70
Rev's: SMW W83(0)

RUN-ON SENTENCES (Educ'l game)
17)**Subj/Topic:** Grammar **Grades:** 3-6
Description: User divides group of words into two sentences in race with computer; program reports student performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

ADJECTIVE RECOGNITION (Skills pract)
18)**Subj/Topic:** Grammar **Grades:** 3-8
Description: Student identifies adjectives in randomly selected sentences; robot gives feedback; uses only 2 keys.
Syst(s): Apple TRS-80 TRSCol
Lang/Min Hdwre: BASIC; App+d; TRS/TRSC+t
Sce: Micro Learningware $7.95
Rev's: SMW Su81(-)

ADVERB RECOGNITION (Skills pract)
19)**Subj/Topic:** Grammar **Grades:** 3-8
Description: Student identifies adverbs in randomly selected sentences; robot gives feedback; uses only two keys.
Syst(s): Apple TRS-80 TRSCol
Lang/Min Hdwre: BASIC; App+d; TRS/TRSC+t
Sce: Micro Learningware $7.95

PRONOUN RECOGNITION (Skills pract)
20)**Subj/Topic:** Grammar **Grades:** 3-8
Description: Student identifies pronouns in randomly selected sentences; robot gives feedback; uses only 2 keys.
Syst(s): Apple TRS-80 TRSCol
Lang/Min Hdwre: BASIC; App+d; TRS/TRSC+t
Sce: Micro Learningware $7.95

†BASIC ENGLISH (Skills pract)
21)**Subj/Topic:** Grammar **Grades:** 3-9
Description: Improves sentence diagramming & part-of-speech recogn skills; varied quiz formats; teacher guide & grading.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Concept Educ'l Sft $35

†LIMERICK (Concept demo)
22)**Subj/Topic:** Grammar **Grades:** 3-8
Description: Makes funny, semi-sensible limericks by forcing random words to obey rhyme rule of limericks; disk $20.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 32K;TRS+t,Ap/At+d
Sce: Cybernetic Info $15

SENTENCES (Tutorial)
23)**Subj/Topic:** Grammar **Grades:** 4-10
Description: Instruction, practice in identification of subjects, verbs, predicates, and sentence fragments.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Micro Power & Light $24.95
Rev's: JRM V1(-)

MUNCHWORD (Educ'l game)
24)**Subj/Topic:** Grammar **Grades:** 4-9
Description: Student guides his man thru the maze as the man eats nouns and avoids verbs; disk version $12.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comm*Data Comp Hse $9.95

ENGLISH INVADERS (Educ'l game)
25)**Subj/Topic:** Grammar **Grades:** 4-9
Description: Student protects star base from alien invaders by identifying parts of speech in time; with color and sound.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Comm*Data Comp Hse $9.95

STORY BUILDER/WORD MASTER (Skills pract)
26)**Subj/Topic:** Grammar **Grades:** 4-7
Description: Partial verse is given;child fills in miss'g parts, then guesses 3-letr words from logical clues; dsk vers $23.95.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; At8K+t; Ap32K+dsk
Sce: Program Design Inc $16.95
Rev's: MJ V3#2(0)

PART OF SPEECH (Rote drill)
27)**Subj/Topic:** Grammar **Grades:** 4-9
Description: Given word, the student gives the part of speech; gives help after two errors; disk version $10.95.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95

ADJECTIVES (Skills pract)
28)**Subj/Topic:** Grammar **Grades:** 4-9
Description: Identify adjectives in sentences; tutorial after 2 wrong; 1-4 users; can change sent's; dsk vers $10.95.
Syst(s): PET CBM
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95

ADVERBS (Skills pract)
29)**Subj/Topic:** Grammar **Grades:** 4-9
Description: Is given word in sentence an adverb? Tutorial after 2 wrong; sentences easy to change; disk version $10.95.
Syst(s): PET CBM
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95

PRONOUNS (Skills pract)
30)**Subj/Topic:** Grammar **Grades:** 4-9
Description: Identify pronouns in sentences; 1 - 4 users; score; sentences easy to change; disk version $10.95.
Syst(s): PET CBM
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95

VERBS (Skills pract)
31)**Subj/Topic:** Grammar **Grades:** 4-9
Description: Text material and examples are given, then exercises on verb usage; two cassettes.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET,16K others
Sce: Educat'l Activit's $39.95

† This is a new entry in THE SOFTWARE FINDER. ** See Intro. and Sect. II-3.

ENGLISH: Grammar (CONT)

NOUNS (Skills pract)
1)**Subj/Topic:** Grammar **Grades:** 4-9
Description: Text material and examples are given, then practice with noun usage; two cassettes.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET,16K others
Sce: Educat'l Activit's $39.95

ADJECTIVES (Skills pract)
2)**Subj/Topic:** Grammar **Grades:** 4-9
Description: Tutorial and examples on problem areas with adjectives, then practice; 2 cassettes.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K, 16K others
Sce: Educat'l Activit's $39.95

ADVERBS (Skills pract)
3)**Subj/Topic:** Grammar **Grades:** 4-9
Description: Text material and examples given, then practice on adverb usage; two cassettes.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K, 16K others
Sce: Educat'l Activit's $39.95

PRONOUNS (Skills pract)
4)**Subj/Topic:** Grammar **Grades:** 4-9
Description: Text material and examples given, then exercises on pronoun usage; 2 cassettes.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET,16K others
Sce: Educat'l Activit's $39.95

†ENG BASICS PARTS OF SPEECH (Tutorial)
5)**Subj/Topic:** Grammar **Grades:** 4-6
Description: A 20-program series covering 5 parts of speech: nouns, pronouns, verbs, adjectives, adverbs; on disk $170.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; 16K+t;32K+ disk
Sce: Educat'l Activit's $145

TENNIS ANYONE, PLURALS (Educ'l game)
6)**Subj/Topic:** Grammar **Grades:** 4-12
Description: Practice in correctly spelling plural endings of 120 words. The difficulty of words increases thru rounds.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K/TRS32K+dsk
Sce: Data Command $29.95
Rev's: CC 1/81(0)

†GRAMMAR AND WRITING (Tutorial)
7)**Subj/Topic:** Grammar **Grades:** 4-12
Description: Program instructs, reinf'ces & evaluates grammatical skills to improve student's writing ability; backup $100.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Encyclopedia Britt $266

SUBJECT & PREDICATE (Skills pract)
8)**Subj/Topic:** Grammar **Grades:** 4-10
Description: In each sentence, must identify complete & simple subj & predicate; at end, learner's work is summarized.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

†BAS ENG SKILLS/PRTS SPEECH (Tutorial)
9)**Subj/Topic:** Grammar **Grades:** 5-12
Description: A 28-lesson tutorial on the function & use of parts of speech. backup $200.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K, 3.3 DOS
Sce: Encyclopedia Britt $399

VERB RECOGNITION (Skills pract)
10)**Subj/Topic:** Grammar **Grades:** 4-8
Description: Student identifies verbs in randomly selected sentences; robot gives feedback; uses only 2 keys.
Syst(s): Apple TRS-80 TRSCol
Lang/Min Hdwre: BASIC; App+d; TRS/TRSC+t
Sce: Micro Learningware $7.95

†CLASSES OF NOUNS (Tutorial)
11)**Subj/Topic:** Grammar **Grades:** 4-10
Description: Learn about proper nouns, capitalization (Titles are Tricky);special cases of nouns, common nouns; review test.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K;Ap+d;PET+tord
Sce: Brain Bank $60

ENGLISH USAGE EXERCISES I (Skills pract)
12)**Subj/Topic:** Grammar **Grades:** 5-8
Description: 96 progs, each with lesson & exer on verb constructions; questions in sent context; spiral organiz; also on dsk.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: 3R Software $ n/av
Rev's: CC 10/81(-); SMW W82(0); CCS 82(0)

ENGLISH USAGE EXERCISES II (Skills pract)
13)**Subj/Topic:** Grammar **Grades:** 5-8
Description: 40 progs, each with lesson & exer on nouns & pronouns; quest's in sent context; spiral organization; also on dsk.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: 3R Software $ n/av
Rev's: CC 10/81(-); SMW W82(0); CCS 82(0)

THE ADJECTIVE (Educ'l game)
14)**Subj/Topic:** Grammar **Grades:** 5-10
Description: Practice work with adjectives in game format; the student plays against the computer.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

THE NOUN (Tutorial)
15)**Subj/Topic:** Grammar **Grades:** 5-10
Description: Introduces common and proper nouns, then quizzes on the material presented; reports student performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

THE ADVERB (Tutorial)
16)**Subj/Topic:** Grammar **Grades:** 5-10
Description: Introduces adverbs, then quizzes on the material presented; reports student performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

THE VERB (Tutorial)
17)**Subj/Topic:** Grammar **Grades:** 5-10
Description: Introduces action and linking verbs and phrases, then quizzes on the material presented; reports student perf.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

†POSSESSIVE CASE (Skills pract)
18)**Subj/Topic:** Grammar **Grades:** 5-10
Description: Computer explains & provides practice on possessive case; for individual, groups or classroom; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†VERB TENSES (Tutorial)
19)**Subj/Topic:** Grammar **Grades:** 5-10
Description: Program first explains & provides practice on verb tenses; for one, groups or classroom; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†PREPOSITIONS & CONJUNCT'NS (Skills pract)
20)**Subj/Topic:** Grammar **Grades:** 5-10
Description: Program first explains & provides practice on preposit'ns & conjunct'ns; for one or groups; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†NOUNS (Skills pract)
21)**Subj/Topic:** Grammar **Grades:** 5-10
Description: Program first explains & then provides practice on nouns; for one, groups or classroom; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†PRONOUNS (Skills pract)
22)**Subj/Topic:** Grammar **Grades:** 5-10
Description: Program first explains & then provides practice on pronouns, for one, groups, or classroom; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†PHRASES AND CLAUSES (Skills pract)
23)**Subj/Topic:** Grammar **Grades:** 5-10
Description: Program first explains, then provides practice on phrases & clauses;for one, groups, or classroom; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†WORD CHOICE (Skills pract)
24)**Subj/Topic:** Grammar **Grades:** 5-10
Description: Program first explains, then provides practice on word-choice; for one, groups or classroom; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†ADJECTIVES (Skills pract)
25)**Subj/Topic:** Grammar **Grades:** 5-10
Description: Program first explains & then provides practice on adjectives; for one, groups or classroom; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†VERB AND ADVERBS (Tutorial)
26)**Subj/Topic:** Grammar **Grades:** 5-10
Description: Computer first explains & then provides practice on verbs & adverbs; for individual or group; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

ENGLISH USAGE EXER'S III (Skills pract)
27)**Subj/Topic:** Grammar **Grades:** 6-9
Description: 40 prog's deliver'g 100, 10-min. sessions: adjectives,articles,prepositions & future tense; disk vers $139.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K Ml;netwrk opt
Sce: 3R Software $99.95

†PHRASES AND CLAUSES (Skills pract)
28)**Subj/Topic:** Grammar **Grades:** 6-10
Description: Gives practice in classifying phrases and clauses; reviews missed items; stores/reports perf,class or indiv.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: Avant Garde Creatns $29.95

†ENGLISH GRAMMAR (Skills pract)
29)**Subj/Topic:** Grammar **Grades:** 6-9
Description: Covers: correct usage, parts of speech,multiple meaning words &sentence composition; 4 student disks, 1 mgt disk.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; TRS-80 III 32K+d
Sce: Random House $99

†USAGE (Tutorial)
30)**Subj/Topic:** Grammar **Grades:** 7-12
Description: Reviews corr use of verbs, pronouns, adverbs, adject'vs, irreg verbs, subject-verb, pronoun-antecedent;disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†GLOSSARY OF USAGE (Tutorial)
31)**Subj/Topic:** Grammar **Grades:** 7-12
Description: Reviews construct'ns acceptd as standard English; emph on words often often confused; review, exer; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

† This is a new entry in THE SOFTWARE FINDER.

ENGLISH: Grammar (CONT)

POSSESSIVE CASE (Tutorial)
1)**Subj/Topic:** Grammar **Grades:** 7-9
Description: Tutorial includes explanations with numerous examples. Covers pronouns and nouns with drills.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Micro Learningware $7.95

SENTENCE DIAGRAMMING (Skills pract)
2)**Subj/Topic:** Grammar **Grades:** 7-12
Description: Practice on parts of speech, word usage, sentence types, and sentence diagramming; reports & stores progress.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Avant Garde Creatns $24.95
Rev's: IW V3#27(+); TCT V8#7(+); CC 10/81(+)

SENTENCE STRUCTURE ERRORS (Skills pract)
3)**Subj/Topic:** Grammar **Grades:** 7-12
Description: Reviews & exercises to correct fragments, run ons, misplaced modifiers; for basic & advanced groups.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Right On Programs $70

IMPROVING WRITING STYLE (Tutorial)
4)**Subj/Topic:** Grammar **Grades:** 7-12
Description: To improving writing skills; programs on coordination, faulty coordination, subordination; easy to hard.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Right On Programs $70

†PUTT'G GRAM'R TO WORK I-II (Tutorial)
5)**Subj/Topic:** Grammar **Grades:** 7-12
Description: Covers nouns,pronouns,adj'vs verbs,tenses,adverbs,objects,prepositions, conjunctions, phrases, homophones, etc.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3/3.2
Sce: Ctr-Educ'l E.D.E. $90

SENTENCE COMPLETION (Skills pract)
6)**Subj/Topic:** Grammar **Grades:** 10-12
Description: Study aid for college board exams. Multiple choice, automatic grading, grammar & vocabulary related.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+dsk,Applesoft
Sce: Sliwa Enterprises $25

Punctuation

FUND'L PUNCTUAT'N PRACTICE (Skills pract)
7)**Subj/Topic:** Punctuation **Grades:** 1-8
Description: Over 50 lessons that provide instruction & practice in punctuation usge; Apple & TRS-80 disk versions $135.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K+d; TRS16K+t
Sce: Random House $96

†PUNCT'N & CAPITAL'N LV/1&2 (Skills pract)
8)**Subj/Topic:** Punctuation **Grades:** 1-2
Description: 10 lessons; user-oriented program enables student to edit sentences to correct errors in punct'n & capital'n.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Bertamax $39.50

PUNCTUATION SERIES (Skills pract)
9)**Subj/Topic:** Punctuation **Grades:** 2-6
Description: Practice finding punctuation errors in randomly selected sentences; feedback includ'g rule;perf reprt;8 tapes.
Syst(s): Apple Atari PET TRSCol
Lang/Min Hdwre: BASIC; Ap/TRSC+d/At/P+t
Sce: Micro-Ed $56

†PUNCT'N & CAPITAL'N LEV 3 (Skills pract)
10)**Subj/Topic:** Punctuation **Grades:** 2-4
Description: 10 lessons; user-oriented program enables student to edit sentences to correct errors in punct'n ' captial'n.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Bertamax $39.50

†COMMA (Skills pract)
11)**Subj/Topic:** Punctuation **Grades:** 2-12
Description: Timed pract; student places commas in randomly shown sentences;teacher chooses sent's;perf report;also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk134,2p]**

CAPITALS (Skills pract)
12)**Subj/Topic:** Punctuation **Grades:** 3-9
Description: Should highlighted word/s in sentence be capitalized? Tutorial after 2 wrong ans;can change sent's;on dsk $10.95.
Syst(s): PET CBM
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95

PUNCTUATION I (Tutorial)
13)**Subj/Topic:** Punctuation **Grades:** 3-6
Description: Intros & gives practice on use of period, quest mark, exclam pt.;uses color, graphics, animation & sound.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Educat'l Activit's $49
Rev's: EL V1#3(+); BR V1#2(+)

PUNCTUATION II (Tutorial)
14)**Subj/Topic:** Punctuation **Grades:** 3-8
Description: Intros various uses of comma & gives practice; uses color, graphics, sound, animation; extra work on poor perf.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Educat'l Activit's $49
Rev's: IW V3#28; BR V1#2(+)

†PUNCT'N & CAPITAL'N LEV 4 (Skills pract)
15)**Subj/Topic:** Punctuation **Grades:** 3-5
Description: 10 lessons; user-oriented program enables student to edit sentences to correct errors in punct'n & capital'n.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Bertamax $39.50

T,S-PUNC (Skills pract)
16)**Subj/Topic:** Punctuation **Grades:** 4-12
Description: Pract punctuating sentences; immediate feedback; makes data tapes of teacher's sentences.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: N.C.C.C.D. $5

COMMA (Skills pract)
17)**Subj/Topic:** Punctuation **Grades:** 4-9
Description: Should comma follow highlighted word/s in sentence? Tutorial after 2 wrong; can change sent's;on dsk $10.95.
Syst(s): PET CBM
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95
Rev's: CT V8#7(+); SMW Su81(-)

END PUNCTUATION (Tutorial)
18)**Subj/Topic:** Punctuation **Grades:** 4-8
Description: Introduces and gives practice in use of period, exclamation point, and question mark; reports student perf.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

†PUNCT'N & CAPITAL'N LEV 5 (Skills pract)
19)**Subj/Topic:** Punctuation **Grades:** 4-6
Description: 10 lessons; user-oriented program enables student to edit sentences to correct errors in punct'n & capital'n.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Bertamax $39.50

T,S-HYPHEN (Skills pract)
20)**Subj/Topic:** Punctuation **Grades:** 5-12
Description: Program displays words with spaces between letters. Student must insert hyphens in appropriate places.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: N.C.C.C.D. $5

TANK TACKTICS CONTRACTIONS (Educ'l game)
21)**Subj/Topic:** Punctuation **Grades:** 5-12
Description: Identify & use 50 contractions. Change contr'ns to 2-word forms,2-word forms to contr'ns or mix procedures.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K/TRS32K+dsk
Sce: Data Command $29.95

THE APOSTROPHE (Tutorial)
22)**Subj/Topic:** Punctuation **Grades:** 5-9
Description: Introduces and gives practice with use of apostrophe; reports student performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

†PUNCT'N & CAPITAL'N LEV 6 (Skills pract)
23)**Subj/Topic:** Punctuation **Grades:** 5-6
Description: 10 lessons; user-oriented program enables student to edit sentences to correct errors in punct'n & capital'n.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Bertamax $39.50

COMMAS (Tutorial)
24)**Subj/Topic:** Punctuation **Grades:** 6-8
Description: Intro elem'ts, items in series,interupt'g elem'ts,indep clauses,letters,etc; has mgt syst w/ auto promotion.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Milton Bradley $44.95

END MARKS,SEMICOLON,COLON (Tutorial)
25)**Subj/Topic:** Punctuation **Grades:** 6-8
Description: Instruc'n & pract with period, quest mark, exclam point, semicolon, colon; has mgt system with auto promotion.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Milton Bradley $44.95

COMMAS (Tutorial)
26)**Subj/Topic:** Punctuation **Grades:** 8-12
Description: States, illustrates & gives practice with rules for 12 common uses of commas; allows review of rules as needed.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Micro Power & Light $29.95

Reading

†CARIS-COMPU ANIMATED READG (Tutorial)
27)**Subj/Topic:** Reading **Grades:** K-3
Description: Introduces reading skills to low readiness children emphasizing exploration vs correct answer; backup $25.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.3
Sce: Encyclopedia Britt $74

†EARLY THINGS (Skills pract)
28)**Subj/Topic:** Reading **Grades:** K-2
Description: 4 easy to read names of familiar objects to match with pictures in four game variations.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk;Applsoft
Sce: Merry Bee Commun's $11.95

†EARLY COLORS (Skills pract)
29)**Subj/Topic:** Reading **Grades:** K-1
Description: Words for 10 colors to match with colored objects.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk, Applsft
Sce: Merry Bee Commun's $19.95

†EARLY NUMBERS (Skills pract)
30)**Subj/Topic:** Reading **Grades:** K-1
Description: Words for 1 to 5, 1 to 10, 1 to 20 to match numerals or group of objects.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk, Applsft
Sce: Merry Bee Commun's $19.95

† This is a new entry in THE SOFTWARE FINDER. ** See Intro. and Sect. II-3.

ENGLISH: Reading (CONT)

†EARLY LETTERS (Skills pract)
1)**Subj/Topic:** Reading **Grades:** K-2
Description: Identify same letter when color, size, alignment, type style vary.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk, Applsft
Sce: Merry Bee Commun's $11.95

†ALPHABETTA DICTIONARY (Skills pract)
2)**Subj/Topic:** Reading **Grades:** 1-5
Description: 2 lessons give practice in dictionary use: part-which third of dict; turn - which direction.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk, Applsft
Sce: Merry Bee Commun's $11.95

†ALPHABETTA WORDS (Skills pract)
3)**Subj/Topic:** Reading **Grades:** K-6
Description: Alphabetize 3 words w/ one key press (teach set opt'ns); 2 sets of multiple word lists or enter your own.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk, Applsft
Sce: Merry Bee Commun's $11.95

†ADJACENT LETTERS PART II (Skills pract)
4)**Subj/Topic:** Reading **Grades:** K-5
Description: 2 lessons + options; fill blanks in 3-letter words; & use paddles to locate letter on 3 part display.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk, Applsft
Sce: Merry Bee Commun's $11.95

†ADJACENT LETTERS PART I (Skills pract)
5)**Subj/Topic:** Reading **Grades:** K-5
Description: Games give pract. identfying letters; type letter cat is replacing or type any key if right letter in box.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk, Applsft
Sce: Merry Bee Commun's $29.95

†ABC GAME (Educ'l game)
6)**Subj/Topic:** Reading **Grades:** K-1
Description: 2 games scored by matching the upper and lower case letters.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk, Applsft
Sce: Merry Bee Commun's $11.95

†ABC TALK (Skills pract)
7)**Subj/Topic:** Reading **Grades:** K-1
Description: Student tries to name letter before hears tone or name of letter; needs Supertalker (TM).
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk, Applsft
Sce: Merry Bee Commun's $11.95

†ABC FIND (Skills pract)
8)**Subj/Topic:** Reading **Grades:** K-1
Description: Lg. hi-res capital, lower-case & moving letters appear. Typing the letter causes next to appear.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk, Applsft
Sce: Merry Bee Commun's $11.95

†MICRO MOTHER GOOSE (Educ'l game)
9)**Subj/Topic:** Reading **Grades:** K-3
Description: Program provides 3 fun games plus 9 musical hi-res rhymes; contains a "Micro do's & don'ts" poster.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K+disk, Aplsft
Sce: Software Productns $39.95

†%HUNT & PECK (Skills pract)
10)**Subj/Topic:** Reading **Grades:** K-2
Description: Practice in finding letter on screen; color/sound reward given.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Athena Software $4.95

†WORD DRAW:ANIMALS &THINGS (Educ'l game)
11)**Subj/Topic:** Reading **Grades:** K-3
Description: 4 students together solve word searches, verses & scrambles involving storybook animals & things; dsk$24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;joyst
Sce: Edupro $19.95

†WORD DRAW: PEOPLE & PLACES (Educ'l game)
12)**Subj/Topic:** Reading **Grades:** K-3
Description: 4 students together solve word searches, verses & scrambles, involving storybook people & places; dsk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t; 24K+d
Sce: Edupro $19.95

†WORD RACE: STORIES/VERSES (Educ'l game)
13)**Subj/Topic:** Reading **Grades:** K-3
Description: 8 stud'ts together use computer while manipulating stories & verses that enhance lang skills; disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t; 24K+d
Sce: Edupro $19.95

†WORD ORDER (Educ'l game)
14)**Subj/Topic:** Reading **Grades:** K-6
Description: Alphabetizing game; levels of difficulty include alphabetizing 1st to 4th letter; sound graphics.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Teacher Supp Soft $50
Rev's: EE 3-4/83

†KEYBOARD (Educ'l game)
15)**Subj/Topic:** Reading **Grades:** K-9
Description: Students drilled in location of numbers, letters & special characters on keyboard; sound/graphics.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Teacher Supp Soft $30
Rev's: EE 3-4/83

†KEYGAME (Educ'l game)
16)**Subj/Topic:** Reading **Grades:** K-6
Description: Letter recognition drill; keyboard replica & word appear; ea letter in word flashes until typed in.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Teacher Supp Soft $50
Rev's: EE 3-4/83

†ALPHABET SQUARES (Rote drill)
17)**Subj/Topic:** Reading **Grades:** K-2
Description: Student drilled in alphabet by matching 26 high res color pictures of familiar objects & animals w/ lg letters.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Versa Computing $29.95
Rev's: MI 1/83

†ALPHA II (Educ'l game)
18)**Subj/Topic:** Reading **Grades:** K-1
Description: 3 alphabet exercises; letter before & after, 2 like letters, 3 letters in alphabetical order.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Mercer Systems $6.95

†LETTERS (Tutorial)
19)**Subj/Topic:** Reading **Grades:** K-1
Description: Alphabet recognition & typing tutor; adult monitoring keys; graphic rewards.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Comp Lrg Ctr Child $9.95

†LET'S ALPHABETIZE (Skills pract)
20)**Subj/Topic:** Reading **Grades:** K-1
Description: Early reading practice; child presented with 3 words & must select word that comes first.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Comp Lrg Ctr Child $10.95

†WHAT'S DIFFERENT (Skills pract)
21)**Subj/Topic:** Reading **Grades:** K-2
Description: Practice in reading comprehension; child must choose non related word from four shown.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Comp Lrg Ctr Child $12.95

STORY MIX - PROGRAM 1 (Skills pract)
22)**Subj/Topic:** Reading **Grades:** K-3
Description: User selects story parts to make up own story; 4096 different stories with pictures. Disk: Ap $34.80 TRS $29.50.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d; TRS16K+t
Sce: Bertamax $24.85

ALPHAKEY (Skills pract)
23)**Subj/Topic:** Reading **Grades:** K-1
Description: Student finds,practices with letters on keyboard; capitals,lower case, or alpha seq'nc. Disk: Ap$34.80 TRS$29.80.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d; TRS16K+t
Sce: Bertamax $24.85

PRESCHOOL IQ BUILDER 2 (Rote drill)
24)**Subj/Topic:** Reading **Grades:** K-1
Description: Teaches letter, symbol, number & word discrimination; "singing face" rewards correct ans; disk version $23.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K+tape,16K+disk
Sce: Program Design Inc $16.95
Rev's: JRM V1(0)

%KEYS (Educ'l game)
25)**Subj/Topic:** Reading **Grades:** K-3
Description: Designed to increase recognition of letters and numbers using Apple graphics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+dsk,Applesoft
Sce: Teck Associates $19.95 [pk59,14p]**

COLETT (Rote drill)
26)**Subj/Topic:** Reading **Grades:** K-1
Description: Practice in counting and recognizing letters which are displayed on the screen.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $10

LETTERS (Rote drill)
27)**Subj/Topic:** Reading **Grades:** K-1
Description: Drill on capital letter and number recognition; multiple choice from list of three items.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $10

LET REC2 (Rote drill)
28)**Subj/Topic:** Reading **Grades:** K-1
Description: Computer displays an upper-case letter; the student picks the corresponding lower-case letter from 3 choices.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $10

WORD-A-TACH (Rote drill)
29)**Subj/Topic:** Reading **Grades:** K-4
Description: Words presented tachistoscopically to the stud't; teacher may use existing sight words or enter own lists.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+Applesoft,dsk
Sce: Hartley Courseware $26.95

ALPHA HELP (Rote drill)
30)**Subj/Topic:** Reading **Grades:** K-2
Description: Teaches the alphabet to young children using graphics & sound; performance summarized.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comm*Data Comp Hse $9.95

WORKING WITH THE ALPHABET (Tutorial)
31)**Subj/Topic:** Reading **Grades:** K-3
Description: The alphabet is taught thru games & races; the student is taught to put words in alphabet order;dsk vers $34.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Orange Cherry Med $28

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

ENGLISH: Reading (CONT)

WORDMATCH (Educ'l game)
1)**Subj/Topic:** Reading **Grades:** K-2
Description: Reading readiness game; student matches shapes/patterns,letters/wrds; or difficult wrds; animated reinforcers.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K+t,BASIC,ctrdg
Sce: Jadee Enterprises $ n/av

LANG. ARTS-ALPHABETIZING (Skills pract)
2)**Subj/Topic:** Reading **Grades:** K-8
Description: Exercises in letter recognition & alphabetization through 7th letter, grades K-8.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: McGraw-Hill (Gregg) $75

SEQUENCE & ALPHABETIZING (Skills pract)
3)**Subj/Topic:** Reading **Grades:** K-6
Description: 20 exercises & motivational games to help students develop skills in alphabet seq & order; dsk versions $45.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K+d; TRS16K+t
Sce: Random House $24
Rev's: CR 8-9/82(0)

THE READING MACHINE (Skills pract)
4)**Subj/Topic:** Reading **Grades:** K-3
Description: Pract on 10 reading skills, phonetic approach using speech & matching grafx image; recds/repts perf; mngt syst.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: SouthWest EdPsych $59.95

JUGGLES' RAINBOW (Educ'l game)
5)**Subj/Topic:** Reading **Grades:** K-1
Description: Stud't presses keys corresp. to posit'ns of animated figures on screen; pract spatial concepts,prereading skills.
Syst(s): Apple Atari TRSCol
Lang/Min Hdwre: BASIC; Ap48K/others32K+d
Sce: The Learning Co. $29.95
Rev's: CRC 9/82(+); MUN 11/82(+); EC V2#5(0)

ALPHA (Educ'l game)
6)**Subj/Topic:** Reading **Grades:** K-3
Description: Alphabet game displaying random letters to be identified.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Mercer Systems $5.95

SPACE WASTE RACE (Educ'l game)
7)**Subj/Topic:** Reading **Grades:** K-3
Description: Computerized storybook with activities on num./alphabet order,count'g, up/down/left/right/over/under;dsk $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Storybks of Future $19.95
Rev's: 80M 5/82; EC 7-8/82(+); CCN V3#1(0)

BETTER VIEW A ZOO (Educ'l game)
8)**Subj/Topic:** Reading **Grades:** K-3
Description: Computerized storybook with activities & games; number, letter,alphabet, grouping, strategy & video games.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Storybks of Future $24.95
Rev's: CRC V1#1(+)

ALPHA KEY (Tutorial)
9)**Subj/Topic:** Reading **Grades:** K-1
Description: (26-1718) Familiarizes children w/ keyboard & alphabet; teaches both lower and upper case letters;reports perf.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Radio Shack $39.95

COLOR GUESS (Tutorial)
10)**Subj/Topic:** Reading **Grades:** K-2
Description: Teaches reading & spelling of 10 color words via associative presentation, then recognition & spelling.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K+dsk,Integ BAS
Sce: Ideatech $14.45

WRITE IT IN COLOR (Tutorial)
11)**Subj/Topic:** Reading **Grades:** K
Description: Introduces the keyboard to the student; practice typing in color and capital letters.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Edutek Corp. $15

ALPHABET (Rote drill)
12)**Subj/Topic:** Reading **Grades:** K-2
Description: Lge,colored letrs displayed; comp plays Alphabet Song as stud't types; also on dsk; in pkg w/ two other programs.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Edu-Soft $14.95 [pk78,3p]**

LETTERS AND NUMBERS (Skills pract)
13)**Subj/Topic:** Reading **Grades:** K-2
Description: Practice with large letters and numbers; matching, completing sequence, and fill in blank questions.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teaching Tools $20
Rev's: SMW W82(+)

MISSING LETTER (Rote drill)
14)**Subj/Topic:** Reading **Grades:** K-1
Description: Drill on sequence of letters of alphabet, presented with sequence of letters, must respond with missing letter.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Little Bee $10.95

LETTER RECOGNITION (Rote drill)
15)**Subj/Topic:** Reading **Grades:** K-2
Description: Match upper and lower case letters; match numerals & number words; student management disk.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Hartley Courseware $26.95

UPPER/LOWER CASE MATCHING (Rote drill)
16)**Subj/Topic:** Reading **Grades:** K-1
Description: Teaches the relationship between lower and upper case letters, shows lower case, must pick upper case letter.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Little Bee $10.95

ABC SEQUENCE (Rote drill)
17)**Subj/Topic:** Reading **Grades:** K-1
Description: Matching letters motivate children to learn the sequence of the letters of alphabet, score obtainable.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Little Bee $10.95

ALPHABET (Rote drill)
18)**Subj/Topic:** Reading **Grades:** K-1
Description: Program can be set to show letters with "prompt" letter, or let able student find next letter on his/her own.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; 8K+tape/VIC 5K+t
Sce: Comm*Data Comp Hse $9.95

LEARN TO READ (Rote drill)
19)**Subj/Topic:** Reading **Grades:** K-4
Description: Given a word, the child matches it with a picture from an accompanying page; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk51,5p]**
Rev's: SMW Su81(-)

LETTER RECOGNITION (Rote drill)
20)**Subj/Topic:** Reading **Grades:** K-1
Description: Exercise to familiarize the child with letters of the alphabet; disk version 24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk49,5p]**

STORY TELLING (Skills pract)
21)**Subj/Topic:** Reading **Grades:** K-4
Description: The child reads a story and reports the facts; each run uses new key words; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk51,5p]**
Rev's: SMW Su81(-)

RIGHT READING (Skills pract)
22)**Subj/Topic:** Reading **Grades:** K-1
Description: Teaches child to work from left to right by copying two numbers; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk49,5p]**

MATCHING CAPITAL LETTERS (Rote drill)
23)**Subj/Topic:** Reading **Grades:** K-2
Description: Student points with light pen to matching capital letter; program reports student performance.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET8K/VIC5K+t
Sce: Micro-Ed $7.95

MATCHING WORDS (Rote drill)
24)**Subj/Topic:** Reading **Grades:** K-2
Description: Student selects which of two similar words matches word moving on screen; reports performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

WHICH LETTER COMES NEXT? (Educ'l game)
25)**Subj/Topic:** Reading **Grades:** K-4
Description: Computer prints large letter, student enters the next letter in alphabet; success helps win race w/ computr.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

MY FIRST ALPHABET (Tutorial)
26)**Subj/Topic:** Reading **Grades:** K-8
Description: Teaches numbers, letters, & a few words by associating with colorful hi-res pictures; also uses music,animat'n.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 24K + disk
Sce: Atari Prog Exchng $29.95
Rev's: SMW W83(+)

NAME THAT LETTER (Educ'l game)
27)**Subj/Topic:** Reading **Grades:** K-3
Description: Two players try to guess a letter in number of tries bid; computer gives clues re higher/lower in alphabet.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

†%FIND THE NUMBER (Rote drill)
28)**Subj/Topic:** Reading **Grades:** K-1
Description: Teaches child to read numbers as well as learn their placement on the keyboard; 2 difficulty levels.
Syst(s): Apple Com 64 CBM PET
Lang/Min Hdwre: BASIC; PET8K+t,all 16K+d
Sce: Lane Robbins $9.95

†WORD PICTURE (Rote drill)
29)**Subj/Topic:** Reading **Grades:** K-2
Description: Students discover that letters form words & words name things; type name of noun, its picture is displayed.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Bertamax $29.50

†ALPHA LETTER DROP (Skills pract)
30)**Subj/Topic:** Reading **Grades:** K-2
Description: To provide practice in putting letter in alphabetical order;3 levels of difficulty, upper/lower case letters.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Bertamax $29.80

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

ENGLISH: Reading (CONT)

†MATCH IT (Rote drill)
1)**Subj/Topic:** Reading **Grades:** K-2
Description: Teaches matching upper with lower-case letters or lower with upper; game like setting.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Bertamax $29.80

†CUSTOMIZED ALPHABET DRILL (Skills pract)
2)**Subj/Topic:** Reading **Grades:** K-2
Description: Fill in letters missing in sequence, letter between 2 letters, letter before given letter, etc; Apple $34.50.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Random House $24

†ALPHABET,SEQUENCE&ALPHAB'G (Skills pract)
3)**Subj/Topic:** Reading **Grades:** K-2
Description: Helps develop alphabet sequence & alphabetical order skills;26 letters & words to put in order;Apple $45.00.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Random House $24
Rev's: CR 8-9/82(0)

†%HUNT AND PECK (Rote drill)
4)**Subj/Topic:** Reading **Grades:** K-2
Description: Find the letter or number displayed on the screen and get a reward.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Athena Software $4.95

†ABC SONG ()
5)**Subj/Topic:** Reading **Grades:** K-1
Description: Animated & 1/2-screen lo-res capital & lower case letters in varied tempos to "alphabet song"; 3 lessons.
Syst(s): Apple
Lang/Min Hdwre: LISP; 48K+disk,Applesft
Sce: Merry Bee Commun's $11.95

†LEARN TO UND'STND TITLE PG (Tutorial)
6)**Subj/Topic:** Reading **Grades:** 2-6
Description: Student answers questions to fill in parts of title page on screen; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap16K+d;PET8K+t
Sce: Right On Programs $13

†WORD DIVISION (Educ'l game)
7)**Subj/Topic:** Reading **Grades:** 1-4
Description: Timed game; students divide words from 2000 word list; covers prefixes, suffixes, compounds, & syllables.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk
Sce: Ahead Designs $19.95
Rev's: TCT 3/82(0)

†MR READWELL-PRIMARY GRADE (Skills pract)
8)**Subj/Topic:** Reading **Grades:** 1-4
Description: Several reading selections & comprehen'n quest'ns;can set speed;2titles ea gr2,3;4for grl;ea tape $14.95;dsk17.95.
Syst(s): Com 64 PET VIC-20
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Micrograms $14.95

†JACK AND JILL (Skills pract)
9)**Subj/Topic:** Reading **Grades:** 1-2
Description: Beginning reading taught; child participates by typing in parts of poem.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Comp Lrg Ctr Child $10.95

SPEED READING & COMPREH'N (Skills pract)
10)**Subj/Topic:** Reading **Grades:** 1-12
Description: Drill/tests stud't on read'g speed &/or comprehension us'g tchr-supplied mater'ls;6 progs. Disk version $59.95.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 16K+tape or disk
Sce: Abbott Educat'l Softwe $49.95
Rev's: SMW Su81(+)

READING COMPREHENS'N A-B-C (Tutorial)
11)**Subj/Topic:** Reading **Grades:** 1-3
Description: Builds 25 skills; 12 lessons at ea of 3 levels; vocab drill, main idea preview,read'g,quest's; mgt syst;$150/lev.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk;ptr optl
Sce: Milliken Publish'g $425
Rev's: EL 1-2/82(+)

REVERSE (Educ'l game)
12)**Subj/Topic:** Reading **Grades:** 1-12
Description: Alphabetize 2 to 8 letters, working from Z to A. Letters are randomly selected; also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pkl7,2p]**

RHYME WAR (Educ'l game)
13)**Subj/Topic:** Reading **Grades:** 1-3
Description: Game of War; players determine if two words rhyme; both short and long vowels used.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $20

ALPHA ROCKET (Educ'l game)
14)**Subj/Topic:** Reading **Grades:** 1-6
Description: Student advances a rocket to the moon by correctly alphabetizing words.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $30

VOWELS TUTORIAL (Tutorial)
15)**Subj/Topic:** Reading **Grades:** 1-3
Description: Visual stimulus w/ auditory instruct'ns; rules given w/ example words; branching, tutorial; req's cassette cntrl.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+Apsft,dsk,tap
Sce: Hartley Courseware $120

OPPOSITES (Rote drill)
16)**Subj/Topic:** Reading **Grades:** 1-10
Description: Improves stud't vocabulary; uses given wrds or add your own;words missed are repeated; shows correct answer.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+Applesoft,dsk
Sce: Hartley Courseware $29.95

PHONET (Skills pract)
17)**Subj/Topic:** Reading **Grades:** 1-6
Description: Students work thru phonetic exercises in sound associations, affixes, syllables, contractions and homonyms.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+disk
Sce: T.I.E.S. $49.95

READ'G READINESS: VIS DISC (Rote drill)
18)**Subj/Topic:** Reading **Grades:** 1-6
Description: Randomly generated symbols & numbers are matched in this program.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K+dskTRS32K+d
Sce: Comp Cseware Srvcs $55

SPATIAL RELATIONSHIPS (Skills pract)
19)**Subj/Topic:** Reading **Grades:** 1-6
Description: Common 2 dimensional relationships such as left-right & over-under are studied thru use of graphic spider.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K,TRS32K;disk
Sce: Comp Cseware Srvcs $55

MATCH SMALL/CAP LETTERS (Rote drill)
20)**Subj/Topic:** Reading **Grades:** 1-3
Description: Selects 1 of several lower case letters; which capital on keyboard matches it?.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Micro-Ed $7.95

BIKE STORY (Educ'l game)
21)**Subj/Topic:** Reading **Grades:** 1-2
Description: Mad-libs for beginning readers; learn about safety on a bike; disk price $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: E. David & Assoc. $19.95

PHONICS 1-3 (Tutorial)
22)**Subj/Topic:** Reading **Grades:** 1-3
Description: Instruction & practice in major phonic elements; voice on cassette based sound track; 9 binders of diskettes.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Sci Research Assoc $1150

WORD SCRAMBLE (Skills pract)
23)**Subj/Topic:** Reading **Grades:** 1-4
Description: Robot prints letters, child unscrambles; includes words frequently used in pri rdrs; 5 diffic levels;on dsk$25.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: T.H.E.S.I.S. $15

VOWELS (Rote drill)
24)**Subj/Topic:** Reading **Grades:** 1-3
Description: Phonics drill with voice stimulus; long, short, r-controlled vowels, schwa sound; stud't management disk.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk, CCD
Sce: Hartley Courseware $93.95
Rev's: TCT 1/82(+)

CONSONANTS (Skills pract)
25)**Subj/Topic:** Reading **Grades:** 1-3
Description: Phonics drill with voice stimulus. Initial and final consonants & blends. Stores and reports student perf.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk, CCD
Sce: Hartley Courseware $79.95

LONG/SHORT VOWEL SPACE SHP (Educ'l game)
26)**Subj/Topic:** Reading **Grades:** 1-2
Description: Student is space station Commander; must clear skies of alien 'vowel sound' ships; gives performance report.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Little Bee $10.95

BUS STORY (Skills pract)
27)**Subj/Topic:** Reading **Grades:** 1-4
Description: Mad-Libs type for beginning readers. Learn about safety on a school bus; Mod III disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: E. David & Assoc. $19.95

CONSONANT-VOWEL-CONSONANT (Skills pract)
28)**Subj/Topic:** Reading **Grades:** 1-3
Description: Student practices filling in 1st letter of 3-letter sequences to make words; uses graphic reinforcers.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Micrcomp Workshops $20

INSTRUCT'L READ'G- VISUAL (Rote drill)
29)**Subj/Topic:** Reading **Grades:** 1-12
Description: 25 phonics prog's for teaching reading skills; exer's scored/reported by prog; applic to spec ed;on disk $115.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d; TRS16K+t
Sce: Micromatics $95

INSTRUCT'L READING- VOICE (Rote drill)
30)**Subj/Topic:** Reading **Grades:** 1-12
Description: Computer carries on spoken dialog w/ stud't to drill/test on phonics; 26 prog's; records/reports performance.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+t,voice synth
Sce: Micromatics $485

PHONICS & WORD ATTACK (Skills pract)
31)**Subj/Topic:** Reading **Grades:** 1-4
Description: 200 audio-assisted lessons word attack,letter, names,consonant &vowel sounds/blends,sight wrds,more;Apl dsk$498.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; TRS16K+t/App32K+d
Sce: Random House $399

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

ENGLISH: Reading (CONT)

TUTORIAL COMPREHENSION (Skills pract)
1)**Subj/Topic:** Reading **Grades:** 1-6
Description: 5 products,ea $215 or $840as set: Main Idea,Sequence,Inference,Critical Reading; tutorials,practice;on dsk ea$255.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App32K+d/TRS16K+t
Sce: Random House $215

FUNDAMENTAL WORD FOCUS (Skills pract)
2)**Subj/Topic:** Reading **Grades:** 1-6
Description: 10 units using game-like activities;pract word analysis skills;monitors/reprts stud't progress;Ap/TRSdsk $165.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App32K+d/TRS16K+t
Sce: Random House $120

HILS2 READING MGT PROGRAM (Teacher aid)
3)**Subj/Topic:** Reading **Grades:** 1-6
Description: Helps keep records for Random House HILS2 Reading Prog; records/reports performance of up to 612 students.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d/TRS48K+d
Sce: Random House $498

READ THE RIDDLE (Skills pract)
4)**Subj/Topic:** Reading **Grades:** 1-9
Description: For beginning reader; in addition to presenting riddle, prints out dictionary worksheet of words used.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K+tape,printer
Sce: L.I.F.E. Software $9.95

VOWELS E (Skills pract)
5)**Subj/Topic:** Reading **Grades:** 1-4
Description: Provides practice in recognizing vowel sounds for E; graphics used to provide motivation.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + disk
Sce: JMH Software of MN $9.95

†FUND'L PHONICS&WORD ATTACK (Skills pract)
6)**Subj/Topic:** Reading **Grades:** 1-4
Description: Practice in 8 skills: visual discrim'n,letter recog'n,sight wds,intial &final consonant&vowel sounds; Ap $498.00.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Random House $399

†READING COMPREHENSION,SETB (Skills pract)
7)**Subj/Topic:** Reading **Grades:** 1-4
Description: Practice understanding what is read; should be used with the Type To Read Set B for proper progression.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Micro-Ed $42

†READING COMPREHENSION,SETC (Skills pract)
8)**Subj/Topic:** Reading **Grades:** 1-4
Description: Practice understanding what is read; should be used with the Type To Read Set C for proper progression.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Micro-Ed $77

†TYPE TO READ, SET B (Rote drill)
9)**Subj/Topic:** Reading **Grades:** 1-4
Description: Principle: Relation between sounds & ways represented in writing; consonant clusters at start & end of words.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Micro-Ed $119

†TYPE TO READ, SET C (Rote drill)
10)**Subj/Topic:** Reading **Grades:** 1-4
Description: Principle: Relation between sounds & way represented in writing; consonant clusters at start & end of words.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Micro-Ed $147

†TYPE TO READ, SET D (Rote drill)
11)**Subj/Topic:** Reading **Grades:** 1-4
Description: principle: Relation between sound & way represented in writing; common vowel diagraphs & diphthongs.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Micro-Ed $168

†READING COMPREHENSION,SETA (Skills pract)
12)**Subj/Topic:** Reading **Grades:** 1-4
Description: Practice in understanding what is read; should be used with the Type To Read Set A for proper progression.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Micro-Ed $35

†TYPE TO READ, SET A (Rote drill)
13)**Subj/Topic:** Reading **Grades:** 1-4
Description: Principle: Relation between sounds & way represented in writing; short vowel sounds between single consonants.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Micro-Ed $105

†READING COMPREHENSION,SETD (Skills pract)
14)**Subj/Topic:** Reading **Grades:** 1-4
Description: Practice understanding what is read; should be used with the Type To Read Set D for proper progression.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Micro-Ed $84

†HOMONYMS I (Tutorial)
15)**Subj/Topic:** Reading **Grades:** 2-3
Description: Student learns what homonyms are & how they are used in sentences; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap16K+d;PET8K+t
Sce: Right On Programs $13

†HOMONYMS II (Tutorial)
16)**Subj/Topic:** Reading **Grades:** 2-3
Description: Practice with homonyms; selection more sophisticated than level I; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap16K+d;PET8K+t
Sce: Right On Programs $13

†LEARN TO USE TABL OF CONTS (Tutorial)
17)**Subj/Topic:** Reading **Grades:** 2-6
Description: Maze game format teaches student about table of contents on screen; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap16K+d;PET8K+t
Sce: Right On Programs $13

†DICTIONARY SKILLS (Tutorial)
18)**Subj/Topic:** Reading **Grades:** 2-6
Description: Shows & explains dictionary listings; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap16K+d;PET8K+t
Sce: Right On Programs $13

†LEARN TO UNDSTN COPYRT NOT (Tutorial)
19)**Subj/Topic:** Reading **Grades:** 2-6
Description: Explains meaning & importance of copyright notice; parts covered; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap16K+d;PET8K+t
Sce: Right On Programs $13

†GETTING THE MAIN IDEA (Educ'l game)
20)**Subj/Topic:** Reading **Grades:** 2-5
Description: "Traveling" game offering practice & reinforcement in getting the main idea; builds comprehension skills.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K + disk
Sce: Learning Well $49.95

†DRAWING CONCLUSIONS (Educ'l game)
21)**Subj/Topic:** Reading **Grades:** 2-5
Description: "Bingo" type game offers practice & reinforcement in drawing conclusions; builds comprehension skills.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K + disk
Sce: Learning Well $49.95

†FACT OR OPINION (Educ'l game)
22)**Subj/Topic:** Reading **Grades:** 2-5
Description: "Shopping mall" game offers practice & reinforcement in learning to distinguish fact from opinion.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K + disk
Sce: Learning Well $49.95

†READING FOR DETAIL (Educ'l game)
23)**Subj/Topic:** Reading **Grades:** 2-5
Description: "Horse racing" game offers practice & reinforcement in reading for detail.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K + disk
Sce: Learning Well $49.95

†CAUSE & EFFECT (Educ'l game)
24)**Subj/Topic:** Reading **Grades:** 2-5
Description: Mountain climbing expedition game offers practice in finding the cause for a certain effect and vice versa.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K + disk
Sce: Learning Well $49.95

†INFERENCE (Educ'l game)
25)**Subj/Topic:** Reading **Grades:** 2-5
Description: This game offers practice & reinforcement in making inferences about certain situations.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K + disk
Sce: Learning Well $49.95

†ALPHABETIZING (Educ'l game)
26)**Subj/Topic:** Reading **Grades:** 2-5
Description: This game offers practice & reinforcement in placing words in alphabetical order.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K + disk
Sce: Learning Well $49.95

†READING BETWEEN THE LINES (Educ'l game)
27)**Subj/Topic:** Reading **Grades:** 2-5
Description: This game, set in medieval times offers practice in "reading between the lines".
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Learning Well $49.95

†PREDICTING OUTCOMES (Educ'l game)
28)**Subj/Topic:** Reading **Grades:** 2-5
Description: Players practice predicting outcomes by searching for needed spaceship parts.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Learning Well $49.95

†ELEMENTARY READING GAMES (Educ'l game)
29)**Subj/Topic:** Reading **Grades:** 2-4
Description: Practice reading by creating poetry, silly sentences & stories; ask questions of wizard.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Computer Island $19.95

CRITICAL READING (Tutorial)
30)**Subj/Topic:** Reading **Grades:** 2-10
Description: Complete read'g tutor'l syst including pre-/post-tests,lessons,quizzes & mgt system;8 disks; 1-year rental $120.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Borg-Warner Ed Sys $750
Rev's: ET 9/81(+); CCN 3-4/82(0); ER(81)(-)

REMEMBER'G NUMBERS/LETTERS (Rote drill)
31)**Subj/Topic:** Reading **Grades:** 2-8
Description: Prog'm builds rapid recognition & retention of numbers & letters; based on performance, time is adjusted.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K/TRS32K+dsk
Sce: Comp Cseware Srvcs $55

† This is a new entry in THE SOFTWARE FINDER.

ENGLISH: Reading (CONT)

WORD BLASTER (Skills pract)
1)**Subj/Topic:** Reading **Grades:** 2-6
Description: Develops reading vocabulary and sentence comprehension by use of context clues; Apple/TRS disk versions $150.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; Ap48K+d; TRS16K+t
Sce: Random House $120

QUESTIONS & STORY (Educ'l game)
2)**Subj/Topic:** Reading **Grades:** 2-8
Description: The student answers 7 questions; the answers are incorporated into a story presented at 1 of 3 read'g speeds.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K+dsk,Applesoft
Sce: Ideatech $11.45

WHO, WHAT, WHERE, WHEN,WHY (Skills pract)
3)**Subj/Topic:** Reading **Grades:** 2-4
Description: Given a descriptive phrase, the student will determine who, what, when & why;stores & reports student perf.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Hartley Courseware $35.95

SYLLABLE BREAKAWAY (Rote drill)
4)**Subj/Topic:** Reading **Grades:** 2-4
Description: An absorbing drill that reinforces syllabication process. Word list supplied or can make own list. Scoring.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Little Bee $10.95

HOMONYM JUGGLER (Skills pract)
5)**Subj/Topic:** Reading **Grades:** 2-4
Description: Program shows sentence containing blank & juggler with words;student indicates arm with correct word;perf rept.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Little Bee $10.95

COMPOUND WORD MATCHUP (Rote drill)
6)**Subj/Topic:** Reading **Grades:** 2-4
Description: Choosing the two correct words causes the words to "crash" together; includes scoring.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Little Bee $10.95

ALPHABETIZING (Skills pract)
7)**Subj/Topic:** Reading **Grades:** 2-4
Description: Zipping words from 1 side to other sharpens skills in alphabetizing; 3 lists of increasing difficulty provided.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Little Bee $10.95

ACTIVE READER-WORLD/NATURE (Skills pract)
8)**Subj/Topic:** Reading **Grades:** 2-5
Description: Series of interesting stories about natural phenomena, each req'g student participation; disk version $67.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Orange Cherry Med $56

TACHISTOSCOPE (Skills pract)
9)**Subj/Topic:** Reading **Grades:** 2-6
Description: Practice reading small word groups flashed on screen; 5 speeds available; performance report.
Syst(s): Atari PET
Lang/Min Hdwre: BASIC; Ata 16K/PET 8K+t
Sce: Micro-Ed $9.95

READING RACER ONE (Skills pract)
10)**Subj/Topic:** Reading **Grades:** 2-6
Description: Practice reading and comprehension of short passages; user controls speed; performance report.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

†TUTORIAL COMPREHENSION (Tutorial)
11)**Subj/Topic:** Reading **Grades:** 2-6
Description: Lessons in 5 key comprehension skills; main idea, details, sequence, inference, critical reading;Apple $798.00.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Random House $699

†CATCH THE RHYMING FISH (Skills pract)
12)**Subj/Topic:** Reading **Grades:** 2-5
Description: Student must catch the fish that rhymes the flashing word at top of screen.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 3K + tape
Sce: Micro-Ed $7.95

†FOTO-FLASH (Rote drill)
13)**Subj/Topic:** Reading **Grades:** 2-16
Description: Stud't types char's flashed on scrn fr/ memory;teacher can enter wrds; auto pro-/demotion;perf reprt;also on dsk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk132,2p]**

†SYLLABLES (Skills pract)
14)**Subj/Topic:** Reading **Grades:** 2-16
Description: Timed pract in separating teacher-provided words into syllables;performance report; also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K;others16K+t
Sce: Schl & Home CseWar $24.95 [pk133,2p]**

†HOMONYMS (Educ'l game)
15)**Subj/Topic:** Reading **Grades:** 3-6
Description: Game drills & reviews 60 sets of homonyms; tutorial, concentration, tic-tac-toe; quiz.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Teacher Supp Soft $40
Rev's: EE 3-4/83

†SEQUENCING SAM, PRIMARY GR (Skills pract)
16)**Subj/Topic:** Reading **Grades:** 3-4
Description: Stud't reads pas'ge,then sequences events read about;2 titles ea, gr 2,3; 4 for gr 1; ea tape $14.95;disk $18.
Syst(s): Com 64 PET VIC-20
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Micrograms $14.95

READING COMPREHENSION (Skills pract)
17)**Subj/Topic:** Reading **Grades:** 3-9
Description: User picks different word out of four; builds analytical skills for reading; Apple & Atari disk vers, $23.95.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; 16K;Ap+d;others+t
Sce: Program Design Inc $16.95
Rev's: SMW Su82(0)

SYLLABLES (Skills pract)
18)**Subj/Topic:** Reading **Grades:** 3-6
Description: Practice separating words into syllables, showing accents; teacher enters 20 words.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $20

NEWBERY WINNERS (Skills pract)
19)**Subj/Topic:** Reading **Grades:** 3-8
Description: 15 paperback books + tapes or disks provide students exciting extension to their reading experiences.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; App+disk;others+t
Sce: Sunburst Commun's $239

CLOZE PLUS PKG. 3 LEVELS (Skills pract)
20)**Subj/Topic:** Reading **Grades:** 3-8
Description: 20 lessons develop comprehension skills;meaning&syntax comp, vocab; perf rept & mgt;3 levels available @ $150.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Milliken Publish'g $150

DIASCRIPTIVE READING (Skills pract)
21)**Subj/Topic:** Reading **Grades:** 3-8
Description: Programs diagnose reading skills, prescribe what's needed for improvement & evaluate performance.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Educat'l Activit's $295

WHAT WAS THAT WORD? (Rote drill)
22)**Subj/Topic:** Reading **Grades:** 3-8
Description: Tachistoscope activity that exercises both sight-reading and spelling; words chosen from list created by teacher.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+DOS3.3,Aplsft
Sce: Edutek Corp. $25
Rev's: SMW W83(-)

COMPU-READ (Rote drill)
23)**Subj/Topic:** Reading **Grades:** 3-12
Description: Strengthens reading skills; letters, words, synonyms, antonyms, and sentences; Apple/Atari dsk vers'ns $29.95.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; Ap48K+d; At32K+t
Sce: Edu-Ware Services $19.95
Rev's: MJ W81(-); SMW Su81(0); MUN 5/82

CUB REPORTER (Skills pract)
24)**Subj/Topic:** Reading **Grades:** 3-6
Description: Provides practice in reading comprehension and memorization; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk53,5p]**
Rev's: SMW Su81(-)

DOING THINGS IN ORDER (Tutorial)
25)**Subj/Topic:** Reading **Grades:** 3-6
Description: Covers using phone, reporting fire, calling for help, chart directions, count money, pay bills, directions.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2/3.3
Sce: BLS/Random House $60

READ IT ALL (Tutorial)
26)**Subj/Topic:** Reading **Grades:** 3-6
Description: Covers finding facts in a story, vocabulary, read'g things in order; understand'g characters; w/ summary& test.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2/3.3
Sce: BLS/Random House $60

UNDERSTAND'G WHAT YOU READ (Tutorial)
27)**Subj/Topic:** Reading **Grades:** 3-6
Description: Covers recognizing words, story facts, inference, paraphrasing, understanding characters; w/ summary & test.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2/3.3
Sce: BLS/Random House $60

THE ORDER OF EVENTS (Tutorial)
28)**Subj/Topic:** Reading **Grades:** 3-6
Description: Covers finding word or action by inference, sentence meaning, order of story action, realism; w/summary &test.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2/3.3
Sce: BLS/Random House $60

READ WORDS/LETRS/CAREFULLY (Tutorial)
29)**Subj/Topic:** Reading **Grades:** 3-6
Description: Covers finding letter in words, review, finding words in sentences; includes summary and test.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2/3.3
Sce: BLS/Random House $60

US'G DIRECT'NS GO PLACES (Tutorial)
30)**Subj/Topic:** Reading **Grades:** 3-6
Description: Covers right & left; north, south, east, west on map; counting in sequence; includes review/summary/test.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2/3.3
Sce: BLS/Random House $60

FIND'G PEOPLE,PLACES,THING (Tutorial)
31)**Subj/Topic:** Reading **Grades:** 3-6
Description: Teaches use of calendar, alphabet skills, reading bar graph, following street plan. Review, summary, test.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2/3.3
Sce: BLS/Random House $60

† This is a new entry in THE SOFTWARE FINDER. ** See Intro. and Sect. II-3.

ENGLISH: Reading (CONT)

ADVENTURES AROUND WORLD (Skills pract)
1)**Subj/Topic:** Reading **Grades:** 3-6
Description: Practice reading comprehension skills in adventure format; exercises thoughout dialog; disk version $67.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Orange Cherry Med $67
Rev's: CRC V1#1(0)

CLOZE COMPREHENSION DEVEL (Skills pract)
2)**Subj/Topic:** Reading **Grades:** 3-6
Description: Words are deleted from reading passages, then deletions supplied by students from choices given; dsk vers $34.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Orange Cherry Med $28

FINISH THE STORY (Skills pract)
3)**Subj/Topic:** Reading **Grades:** 3-8
Description: Stories with characters such as Buck Rogers, Columbus & Tarzan are displayed; child reads & completes,own words.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: L.I.F.E. Software $9.95

†USING PHONICS IN CONTEXT (Skills pract)
4)**Subj/Topic:** Reading **Grades:** 4-6
Description: Program enables students to master phonics by practicing phonetic skills in high-interest story form.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Educat'l Activit's $149

†READG FOR COMPREHENS SER'S (Tutorial)
5)**Subj/Topic:** Reading **Grades:** 4-12
Description: Reinforcement exercises to improve comprehension of carefully structured story; 40 progms; backup $25.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; AP48K/PET32K+disk
Sce: Encyclopedia Britt $69

†GAME POWER FOR PHONICS (Educ'l game)
6)**Subj/Topic:** Reading **Grades:** 2-10
Description: Makes games for any structural part of a word according to student level; diag test; $38 on disk.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K+tape; 32K + d
Sce: Spin-A-Test Co. $28

†GAME POWER FOR PHONICS (Educ'l game)
7)**Subj/Topic:** Reading **Grades:** 4-12
Description: 1600 ongoing remedial reading & lang games based on individ or group needs; unique diag test; $74 on disk.
Syst(s): Apple CP/M PET TRS-80
Lang/Min Hdwre: BASIC; 32K+ tape or disk
Sce: Spin-A-Test Co. $70

†SEQUENCING SAM-INTERMED GR (Skills pract)
8)**Subj/Topic:** Reading **Grades:** 4-6
Description: Student sequences series of events read about in Oregon Trail, Long Voyage, or New World;ea tape$14.95;dsk$18.
Syst(s): Com 64 PET VIC-20
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Micrograms $14.95

†MR READWELL-INTERMED GRDS (Skills pract)
9)**Subj/Topic:** Reading **Grades:** 4-6
Description: Several short reading selections&comprehen'n quest's;can set speed; 2 titles ea gr 4,5;ea tape $14.95;dsk$17.95.
Syst(s): Com 64 PET VIC-20
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Micrograms $14.95

READING COMPREHENS'N D-E-F (Tutorial)
10)**Subj/Topic:** Reading **Grades:** 4-6
Description: Builds 25 skills; 12 lessons at ea of 3 levels; vocab drill, main idea preview,read'g,quest's; mgt syst;$150/lev.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk;ptr optl
Sce: Milliken Publish'g $425
Rev's: EL 1-2/82(+)

HMRS: STUDENT RECORDS SYST (Teacher aid)
11)**Subj/Topic:** Reading **Grades:** 4-6
Description: (26-2508) Records student scores on High-Motiv'n Reading Ser's; requires Radio Shack MicroPILOT.
Syst(s): TRS-80
Lang/Min Hdwre: PILOT; 32K Mod I + disk
Sce: Radio Shack $29.95

C.A.R.D. 1: SENTENCES (Tutorial)
12)**Subj/Topic:** Reading **Grades:** 4-6
Description: (26-2603) Pre-/post-tests, approx 90 lessons on sentences & more; stores and reports student performance.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K Model III+dsk
Sce: Radio Shack $199

HMRS READING SERIES (Skills pract)
13)**Subj/Topic:** Reading **Grades:** 4-6
Description: T-F & mult-choice activities to exercise comprehension of accompanying student readers; requires R/S MicroPILOT.
Syst(s): TRS-80
Lang/Min Hdwre: PILOT; 32K Mod III+disk
Sce: Radio Shack $69.95

INTERMED READ'G SKLS BLS85 (Tutorial)
14)**Subj/Topic:** Reading **Grades:** 4-12
Description: Practice & instruction in compound words, prefixes, suffixes & uses of inference; 3 programs, 9 lessons.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: BLS/Random House $663

READING COMPREHENS'N BLS80 (Tutorial)
15)**Subj/Topic:** Reading **Grades:** 4-7
Description: Designed by Calif Test Bureau for help in mastering basic reading skills; 4 programs, 12 lessons.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: BLS/Random House $612

READ'G FUN: 20,000 LEAGUES (Skills pract)
16)**Subj/Topic:** Reading **Grades:** 4-6
Description: Includes illustrated reader, read-along audio cassette, & computer tape with spelling and vocabulary exercises.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 4K + tape
Sce: Radio Shack $19.95

READING IS FUN: MOBY DICK (Skills pract)
17)**Subj/Topic:** Reading **Grades:** 4-6
Description: Includes illustrated reader, read-along audio cassette, & computer tape with spelling and vocabulary exercises.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 4K + tape
Sce: Radio Shack $19.95

RIF: HOUND OF BASKERVILLES (Skills pract)
18)**Subj/Topic:** Reading **Grades:** 4-6
Description: Includes illustrated reader, read-along audio cassette, & computer tape with spelling and vocabulary exercises.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 4K + tape
Sce: Radio Shack $19.95

READING IS FUN: DRACULA (Skills pract)
19)**Subj/Topic:** Reading **Grades:** 4-6
Description: Includes illustrated reader, read-along audio cassette, & computer tape with spelling and vocabulary exercises.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 4K + tape
Sce: Radio Shack $19.95

WORD RECOGNITION (Educ'l game)
20)**Subj/Topic:** Reading **Grades:** 4-6
Description: Aids in developing word recognition & spelling; 3 programs to challenge even the brightest; on disk $15.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Teaching Assistant $13.95

CRYPTO (Educ'l game)
21)**Subj/Topic:** Reading **Grades:** 4-10
Description: Creates cryptograms; players decode them from letter and punctuation clues.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET,16K others
Sce: Educat'l Activit's $15.95

SCRAMBLED LETTERS (Educ'l game)
22)**Subj/Topic:** Reading **Grades:** 4-9
Description: Two students compete to unscramble letters to form words from spelling lesson.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET,16K others
Sce: Educat'l Activit's $14.95
Rev's: CC 9/80(0); TCT V8#2(0)

STRANGE ENCOUNTERS (Skills pract)
23)**Subj/Topic:** Reading **Grades:** 4-6
Description: Stud'ts read & analyze evidence re unusual phenomena; 4 titles incl Bermuda Triangle, Bigfoot; disk vers $67.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Orange Cherry Med $56

DICTIONARY GUIDE WORDS (Skills pract)
24)**Subj/Topic:** Reading **Grades:** 4-8
Description: Practice identifying dictionary guide words for page containing a given word.
Syst(s): Atari PET
Lang/Min Hdwre: BASIC; Atl6K/PET8K+tape
Sce: Micro-Ed $9.95

†WORD FUNCTIONS PART II (Tutorial)
25)**Subj/Topic:** Reading **Grades:** 4-12
Description: Learn differences between look-alikes & sound-alikes;study antonyms; review test included.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K;Ap+d;PET+tord
Sce: Brain Bank $99 [pk131,2p]**

†WORD FUNCTIONS PART I (Tutorial)
26)**Subj/Topic:** Reading **Grades:** 4-12
Description: Learn differences between look-alikes & sound-alikes; study homonyms & synonyms.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K;Ap+d;PET+tord
Sce: Brain Bank $99 [pk131,2p]**

†HOMONYMS IN CONTEXT (Skills pract)
27)**Subj/Topic:** Reading **Grades:** 4-6
Description: For students needing to improve recognition of homonyms in sentence context; Apple $60.00.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Random House $39
Rev's: EL 5-6/82(0)

†COMPREHENSION (Skills pract)
28)**Subj/Topic:** Reading **Grades:** 4-6
Description: Provides innovative drill to help learn critical reading; 4 skills: details, main idea, sequence, cause/effect.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; TRS-80 III 32K+d
Sce: Random House $99

†RHYMING (Skills pract)
29)**Subj/Topic:** Reading **Grades:** 4-16
Description: Pairs of words are displayed;stud't decides if they rhyme; teacher can change wrd list;perf rept;also on dsk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk134,2p]**

†VIDEO SPEED READ'G TRAIN'G (Skills pract)
30)**Subj/Topic:** Reading **Grades:** 5-12
Description: Practice in increasing reading efficiency; training in reading whole phrases at a glance.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Instant Software $14.95

CODE BREAKER (Educ'l game)
31)**Subj/Topic:** Reading **Grades:** 5-12
Description: Three scrambled message games; easy to hard; Apple and Atari disk versions, $23.95.
Syst(s): Apple Atari PET
Lang/Min Hdwre: BASIC; PET8K;others16K+t
Sce: Program Design Inc $16.95
Rev's: SMW Su81(-)

† This is a new entry in THE SOFTWARE FINDER. ** See Intro. and Sect. II-3.

ENGLISH: Reading (CONT)

HOW TO READ-CONTENT AREAS (Tutorial)
1)**Subj/Topic:** Reading **Grades:** 5-8
Description: Concepts taught: Surveying, spotlighting, detecting, recalling & utilizing in Science, Social St., Math & Lit.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Educat'l Activit's $189

GETTING SENTENCE MEANINGS (Skills pract)
2)**Subj/Topic:** Reading **Grades:** 5-10
Description: Gives 2 carefully worded sentences. Must determine if 2 sentences mean the same or have different meanings.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K/TRS32K+dsk
Sce: Data Command $29.95

USING CONTEXT CLUES (Skills pract)
3)**Subj/Topic:** Reading **Grades:** 5-12
Description: Practice using context to determine word meaning;student picks right meaning of unfamiliar word in sentence.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K/TRS32K+dsk
Sce: Data Command $29.95

SEEING CAUSE AND EFFECT (Skills pract)
4)**Subj/Topic:** Reading **Grades:** 5-10
Description: Student challenged to think critically as distinguishes between cause & effect in phrases.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K/TRS32K+dsk
Sce: Data Command $29.95

CATEGORIZ'G WORDS, PHRASES (Skills pract)
5)**Subj/Topic:** Reading **Grades:** 5-10
Description: Gives sets of 4 or 5 words or phases. Must determine which does not belong in each set. Difficulty increases.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K/TRS32K+dsk
Sce: Data Command $29.95

DETERMINING FACT & OPINION (Skills pract)
6)**Subj/Topic:** Reading **Grades:** 5-10
Description: Improve student's comprehension skills. Student given 2 sentences; must identify which is fact,which opinion.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K/TRS32K+dsk
Sce: Data Command $29.95

†HOW TO IDENTIFY MAIN IDEA (Skills pract)
7)**Subj/Topic:** Reading **Grades:** 5-12
Description: Identify main ideas in what you read; animated graphics, informative stories & guided questions for practice.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Brain Bank $60 [pk128,5p]**

†HOW TO DRAW CONCLUSIONS (Skills pract)
8)**Subj/Topic:** Reading **Grades:** 5-12
Description: Work on drawing conclusions to what you read; graphics, informative stories & guided questions for practice.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Brain Bank $60 [pk128,5p]**

†HOW TO PUT THINGS IN ORDER (Skills pract)
9)**Subj/Topic:** Reading **Grades:** 5-12
Description: Learn to put things in order when reading; graphics, informative stories & guided questions for practice.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Brain Bank $60 [pk128,5p]**

†REVIEW OF 4 BASIC SKILLS (Skills pract)
10)**Subj/Topic:** Reading **Grades:** 5-12
Description: Reviews recalling details, identifying main ideas,drawing conclusions & putting things in order when reading.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Brain Bank $60 [pk128,5p]**

†BASIC SKILLS PRACTICE A-D (Skills pract)
11)**Subj/Topic:** Reading **Grades:** 5-12
Description: Pract reasoning & research'g w/ informative stories; graphics & guided quests; 5 stories in ea of 5 pkg, ea $60.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Brain Bank $60 [pk0,4p]**

†HOW TO RECALL DETAILS (Skills pract)
12)**Subj/Topic:** Reading **Grades:** 5-12
Description: Recalling details for reasoning, researching & relaxing; graphics, informative stories & guided questions.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Brain Bank $60 [pk128,5p]**

BASIC READING SKILLS (Educ'l game)
13)**Subj/Topic:** Reading **Grades:** 6-12
Description: 5 fun pract activities on vocab,spell'g,synonyms,antonyms,conson'ts, vowels,sight read;store/reprt perf;promot.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Edutek Corp. $260

SPEED READ (Skills pract)
14)**Subj/Topic:** Reading **Grades:** 6-14
Description: Improves reading speed from current level to 1000's of words per minute.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; App48K/Atl6K+disk
Sce: Optimized Syst Sft $59.95

READING COMPREHENS'N G-H-I (Tutorial)
15)**Subj/Topic:** Reading **Grades:** 7-9
Description: Builds 25 skills; 12 lessons at ea of 3 levels; vocab drill, main idea preview,read'g,quest's; mgt syst;$150/lev.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk;ptr optl
Sce: Milliken Publish'g $425
Rev's: EL 1-2/82(+)

SPEED READER (Tutorial)
16)**Subj/Topic:** Reading **Grades:** 7-12
Description: 10-stage exer set to improve reading; emph on speed, comprehension,memory skills - also percept'n,eye movement.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Special Deliv Soft $70
Rev's: SMW W83(-)

WORDSKILL FOR THE MICRO (Educ'l game)
17)**Subj/Topic:** Reading **Grades:** 7-12
Description: 4 lang arts games stressing synonyms,definitions,antonyms & analogies; program available in 6 levels, gr's 7-12.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K+d; TRS ModIII
Sce: Sci Research Assoc $160

†ATARI SPEED READING (Skills pract)
18)**Subj/Topic:** Reading **Grades:** 7-14
Description: Workbook materials & computer exer,timed practice sessions,8 sets of lessons,metronome sounds to pace progress.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Inc. $74.95

†THE SPEED READER II (Skills pract)
19)**Subj/Topic:** Reading **Grades:** 9-14
Description: Student practices reading development; exercises build speed & increase comprehension.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Davidson & Assoc $69.95
Rev's: CC 12/82; IA 10/82; IW 8/82; PCA 9/82

Spelling

†WORD LAUNCH (Educ'l game)
20)**Subj/Topic:** Spelling **Grades:** K-6
Description: Students guess letters, fill in spaces, spell word; correlated to vocab of several major basals; sound/graphics.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Teacher Supp Soft $50
Rev's: EE 3-4/83

†WORD CRUNCH (Educ'l game)
21)**Subj/Topic:** Spelling **Grades:** K-6
Description: Students practice unscrambling words correlated to vocab of several major basals; sound/graphics.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Teacher Supp Soft $50
Rev's: EE 3-4/83

†VOLCANO (Educ'l game)
22)**Subj/Topic:** Spelling **Grades:** K-6
Description: Student matches numbers and letters to spell word; correlated to vocab of major basals; sound/graphics.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Teacher Supp Soft $50
Rev's: EE 3-4/83

†SCRAMBLE (Skills pract)
23)**Subj/Topic:** Spelling **Grades:** K-3
Description: Student unscrambles words flashed on screen; 2 tapes @$10.95: super heroes/farm animals & weekdays/numbers.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Comp Lrg Ctr Child $10.95

WORD SCRAMBLER/SUPER SPELR (Educ'l game)
24)**Subj/Topic:** Spelling **Grades:** K-12
Description: Spelling drills in fun format; incl's pract on missed words,word unscrambling, scoring & use of own words.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Avant Garde Creatns $19.95

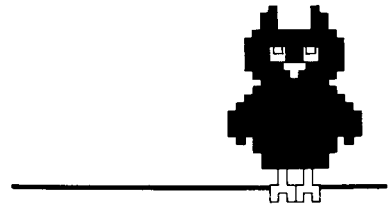
LEARN TO SPELL (Rote drill)
25)**Subj/Topic:** Spelling **Grades:** K-4
Description: Partial word displayed; pupil adds letter to form complete word; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk51,5p]**
Rev's: SMW Su81(-)

†WRD SCRAMBLER,SUPER SPEL'R (Educ'l game)
26)**Subj/Topic:** Spelling **Grades:** K-16
Description: Scrambles words for spelling practice;uses stored wrd files or user's words; drills on missed words;keeps score.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: Avant Garde Creatns $19.95

WORD COMPLETION (Rote drill)
27)**Subj/Topic:** Spelling **Grades:** K-1
Description: Word is given, then repeated with a missing letter; child supplies the letter; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk49,5p]**

†SPELLING GENIE (Educ'l game)
28)**Subj/Topic:** Spelling **Grades:** K-8
Description: Accommodates any list needed one or two may play; works against countdown clock spelling words correctly.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Prog Exchng $22.95

†WHICH LETTER IS MISSING? (Rote drill)
29)**Subj/Topic:** Spelling **Grades:** K-3
Description: Presents row of capital letters with one covered; student tries to find correct letter; summary of perform'e.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Micro-Ed $7.95



† This is a new entry in THE SOFTWARE FINDER. ** See Intro. and Sect. II-3.

ENGLISH: Spelling (CONT)

SPELL-BOUND (Rote drill)
1)**Subj/Topic:** Spelling **Grades:** 1-12
Description: Drill on spelling words; multiple difficulty levels; words can be changed by teacher.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Robert Baker $19.95

SPELLING IN CONTEXT LEV. 1 (Skills pract)
2)**Subj/Topic:** Spelling **Grades:** 1-3
Description: 28 lessons of 10 words each; most commonly used words; reviews words missed.
Syst(s): Apple Atari TRS-80 TRSCol
Lang/Min Hdwre: BASIC; TRS+t; others+dsk
Sce: Bertamax $45.50

SPELLING IN CONTEXT LEV. 2 (Skills pract)
3)**Subj/Topic:** Spelling **Grades:** 1-3
Description: 40 lesons of 10 words each; most commonly used words; reviews words missed; TRS-80 tape vers $49.50.
Syst(s): Apple Atari TRS-80 TRSCol
Lang/Min Hdwre: BASIC; TRS+t; others+dsk
Sce: Bertamax $45.50

U-SPELL (Rote drill)
4)**Subj/Topic:** Spelling **Grades:** 1-12
Description: Teacher can create an audio-enhanced spelling drill; child hears sentence, sees it w/ word missing, enters wd.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; TRS16K, Ap32K+dsk
Sce: Mentor Software $34.95

SPELLING II (Rote drill)
5)**Subj/Topic:** Spelling **Grades:** 1-6
Description: Six programs that drill the student on 60 common sight words from primary readers; student hears word in sent.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+dsk, TRS16K
Sce: Mentor Software $59.95
Rev's: JRM V1(0)

SPELLING I (Rote drill)
6)**Subj/Topic:** Spelling **Grades:** 1-6
Description: Six programs that drill the student on 60 common primary reader problem words; child hears word in sentence.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+dsk, 16KTRS
Sce: Mentor Software $59.95
Rev's: JRM V1(0); PM W80(+)

DO-IT-YOURSELF: SPELLING (Rote drill)
7)**Subj/Topic:** Spelling **Grades:** 1-12
Description: Create your own spelling programs with voice. Comes with list of 1950 words everyone should know by 6th gr.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Program Design Inc $19.95
Rev's: CRC V1#1(-)

SPELL-FIND (Rote drill)
8)**Subj/Topic:** Spelling **Grades:** 1-6
Description: Computer displays word with missing letter, student types in the letter; teacher enters 20 words.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $20

LOOK 'N SPELL (Rote drill)
9)**Subj/Topic:** Spelling **Grades:** 1-6
Description: Computer flashes word on screen; student types in word after it disappears; teacher enters 20 words.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $20

CONWAR (Educ'l game)
10)**Subj/Topic:** Spelling **Grades:** 1-4
Description: Game of War; players determine the correct forms for contractions.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $20

BASEBALL SPELL (Educ'l game)
11)**Subj/Topic:** Spelling **Grades:** 1-6
Description: Student progresses in baseball game by recognizing correctly spelled words.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $30

WORD FLASH (Skills pract)
12)**Subj/Topic:** Spelling **Grades:** 1-8
Description: A word is flashed, the student enters the correct spelling; multiple choice & direct entry modes; perf report.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K+dsk,Applesoft
Sce: Ideatech $14.45

FLASH SPELLING (Rote drill)
13)**Subj/Topic:** Spelling **Grades:** 1-6
Description: Student tries to spell word flashed on screen; extra time given if necessary; teacher may add own words.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET,16K others
Sce: Educat'l Activit's $14.95
Rev's: CC 9/80; TCT V8#1(0)

SPELLING TUTOR (Rote drill)
14)**Subj/Topic:** Spelling **Grades:** 1-12
Description: Teacher enters word list to be presented; program presents words, records/reprts stud't scors;on disk $12.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Cove View Press $9.95

SPELLING "TOODER" (Rote drill)
15)**Subj/Topic:** Spelling **Grades:** 1-12
Description: Teacher enters word groups student chooses correct form; program records stud't name & scores; on dsk $12.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Cove View Press $7.95

MAGIC SPELLS (Educ'l game)
16)**Subj/Topic:** Spelling **Grades:** 1-8
Description: Spelling drill in game format; positive reinforcement,music & colorful graphics; vocabulary can be changed.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: The Learning Co. $45
Rev's: SMW W83(0)

SPELLING PACKAGE (Rote drill)
17)**Subj/Topic:** Spelling **Grades:** 1-12
Description: Drills on teacher-entered spelling words given by audio tape recorder under computer control.
Syst(s): Apple PET CBM
Lang/Min Hdwre: BASIC; PET8K+t/Ap32K+dsk
Sce: Teaching Tools $99.95
Rev's: SMW W82(+); EL V2#3(+)

THE SPELLING PROGRAM (Skills pract)
18)**Subj/Topic:** Spelling **Grades:** 1-12
Description: Includes 5 basic spelling rules tutorials, drill exercises & many extra languages skills;Apple version:$230.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap48K+dsk/PET8K+t
Sce: Sled Software $199

SPELLBOUND (Rote drill)
19)**Subj/Topic:** Spelling **Grades:** 1-6
Description: Shows word for study, then flashes for student to spell; use own words or those on one of 8 tapes ($5 ea).
Syst(s): Atari
Lang/Min Hdwre: BASIC; 24K + tape
Sce: T.H.E.S.I.S. $20

CUSTOMIZED FLASH SPELLING (Rote drill)
20)**Subj/Topic:** Spelling **Grades:** 1-12
Description: Gives format for spelling practice; teacher can customize spelling tests to meet stud't needs; on dsk $34.50.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K+d/TRS16K+t
Sce: Random House $24.50
Rev's: ET 6/82(+)

THE SPELLING MACHINE (Skills pract)
21)**Subj/Topic:** Spelling **Grades:** 1-6
Description: Tailored drills from 700-wrd base or teacher-selected wrds; color grafx & sound; game reinforcers; recd/rept perf.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: SouthWest EdPsych $49.95
Rev's: SMW W82(+)

HIDDEN WORDS (Educ'l game)
22)**Subj/Topic:** Spelling **Grades:** 1-8
Description: Player(s) race to find frequently misspelled words in letter jumble on screen; 1 or 2 players; 4 levels.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 24K,tape,joystiks
Sce: T.H.E.S.I.S. $17.50

SPELLING SORCERY (Educ'l game)
23)**Subj/Topic:** Spelling **Grades:** 1-12
Description: 3 exciting color graphics programs which use a game format to make spelling fun.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+ disk
Sce: SouthWest EdPsych $29.95

WORDS FOR THE WISE (Skills pract)
24)**Subj/Topic:** Spelling **Grades:** 1-6
Description: 5 different spel'g exer's; 1000 words w/ grade key or use own; grafx; also sound if amp.; Mod3 2-dsk sys $34.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: TYC Software $24.95

SPELL IT (Rote drill)
25)**Subj/Topic:** Spelling **Grades:** 1-8
Description: Words given orally, program checks and stores errors, any words can be used.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk, CCD
Sce: Hartley Courseware $26.95

†RHYMES AND RIDDLES (Educ'l game)
26)**Subj/Topic:** Spelling **Grades:** 1-4
Description: Letter guessing game in 3 formats: jokes & riddles, nursery rhymes; & famous sayings; fill in blank spaces.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; Ap48K+d, At 48K+d
Sce: Spinnaker Software $29.95

†CUSTOMIZED "FLASH"SPELLING (Rote drill)
27)**Subj/Topic:** Spelling **Grades:** 1-12
Description: Flash card format to improve spelling from list of frequently used wrds or wrds entered to fit curricu'm;Ap$34.50.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Random House $24
Rev's: ET 6/82(+)

†MONKEY SEE, MONKEY SPELL (Educ'l game)
28)**Subj/Topic:** Spelling **Grades:** 1-6
Description: Teaches object recognition & spelling; progressively more difficult levels, random letter game.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+ disk or tape
Sce: Hayden Book Co. $34.95

HANGMAN (Educ'l game)
29)**Subj/Topic:** Spelling **Grades:** 2-7
Description: Pupil tries to identify word by guessing letters; each wrong guess adds to a man on the gallows; 3 diffic levels.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Atari Inc. $14.95
Rev's: PM Su80(-)

SPELLING IN CONTEXT LEV. 3 (Skills pract)
30)**Subj/Topic:** Spelling **Grades:** 2-4
Description: 40 lessons of 15 words each; most commonly used words; reviews words missed; TRS-80 tape version $79.50.
Syst(s): Apple Atari TRS-80 TRSCol
Lang/Min Hdwre: BASIC; TRS+t; others+dsk
Sce: Bertamax $49.50

† This is a new entry in THE SOFTWARE FINDER.

ENGLISH: Spelling (CONT)

EXACTOSPELL (Rote drill)
1)**Subj/Topic:** Spelling **Grades:** 2-10
Description: Individual remedial program, student has own tape, adds words difficult to him or her, can see progress made.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comaldor $20

LET'S SPELL (Rote drill)
2)**Subj/Topic:** Spelling **Grades:** 2-4
Description: Uses sound, voice, & animation to teach 90 second-grade words; includes review & performance check.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Program Design Inc $16.95
Rev's: PM Su81(+)

CONTRACTION (Educ'l game)
3)**Subj/Topic:** Spelling **Grades:** 2-4
Description: Race game for two players who enter contractions for given pairs of words.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $10

SPELLING TEST (Rote drill)
4)**Subj/Topic:** Spelling **Grades:** 2-8
Description: The student is shown a word and asked to spell it after it disappears.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Compuware $11.95 [pk46,4p]**

MOTHER GOOSE RHYMES (Skills pract)
5)**Subj/Topic:** Spelling **Grades:** 2-6
Description: Practice spelling and memorization in Mother Goose rhymes; uses color graphics and sound.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: George Earl $24.95

STEPS TO SPELL'G-BREAKTHRU (Rote drill)
6)**Subj/Topic:** Spelling **Grades:** 2-12
Description: Words misspelled by 50% of 2nd, 3rd & 4th graders are studied.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Comp Cseware Srvcs $96

SPELLING STRATEGY (Skills pract)
7)**Subj/Topic:** Spelling **Grades:** 2-8
Description: Spelling drill using special "mind's eye" technique to help recall wds learned; w/ sound,color; can change words.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Behavioral Engin'g $45
Rev's: IW 6/82(+); SMW W83(+)

SPELLING (Rote drill)
8)**Subj/Topic:** Spelling **Grades:** 2-6
Description: Computer used as a tachistoscope to teach spelling; diffic levels selectable by teacher;includes Spelling Bee.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Orange Cherry Med $28

PEEK 'N' SPELL (Rote drill)
9)**Subj/Topic:** Spelling **Grades:** 2-6
Description: Word drill with display time set by user (flash cards); new word lists can be created & stored on tape.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Color Sftwe Svcs $12.95

%HAPPY FACE (Educ'l game)
10)**Subj/Topic:** Spelling **Grades:** 2-6
Description: 4 games using Hangman format in guessing words & simple phrases: Spel'g Wrds,Riddles,Famous Say'gs,Nursery Rhymes.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Cross Educatl Soft $15

SPE-L (Educ'l game)
11)**Subj/Topic:** Spelling **Grades:** 2-4
Description: Spelling game which randomly leaves out one letter of word for child to fill in.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Mercer Systems $5.95

LISTEN & SPELL WH-TH WORDS (Skills pract)
12)**Subj/Topic:** Spelling **Grades:** 2-4
Description: Pract on wh & th words given orally from cassette; student completes blank in sentence on screen.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Little Bee $10.95

WORDS IN CONTEXT SPEL'G A (Skills pract)
13)**Subj/Topic:** Spelling **Grades:** 2
Description: Shows words, then asks for words to complete sentences; long & short vowel words,etc.; perf report; 7 tapes.
Syst(s): Apple Atari PET TRSCol
Lang/Min Hdwre: BASIC; Ap/Col+d/At/PET+t
Sce: Micro-Ed $49.95

†SPEL'G DEMONS;COMP SP DOWN (Rote drill)
14)**Subj/Topic:** Spelling **Grades:** 2-9
Description: Drill on 100 most commonly misspelled words for each grade;10 words a lesson, 6 levels of difficulty; Ap $84.00.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Random House $72

†HANG IT (Educ'l game)
15)**Subj/Topic:** Spelling **Grades:** 2-6
Description: Form of Hangman; player must guess the word & spell it correctly.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 4K + tape
Sce: Color Sftwe Svcs $7.95

†EXTRA PRACTICE SPELL'G G-2 (Rote drill)
16)**Subj/Topic:** Spelling **Grades:** 2-3
Description: For students needing extra work on skills; 36 lessons; continuous drill till word is learned; vowels.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Micro-Ed $49.95

†WORD GUESS SPELL'G SER'S A (Educ'l game)
17)**Subj/Topic:** Spelling **Grades:** 2-3
Description: To supplement classroom instruction; for students average or above; 36 lessons working with vowels.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Micro-Ed $49.95

†STUMPED (HANGMAN) (Educ'l game)
18)**Subj/Topic:** Spelling **Grades:** 2-6
Description: Practice in spelling in hangman format; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape or disk
Sce: H.E.L. Laborator's $11.95

†CAPITALIZATION/PUNCTUATION (Tutorial)
19)**Subj/Topic:** Spelling **Grades:** 2-3
Description: Provides principles of sentence start & end; capitals, periods, question marks; game follows; on disk $15.
Syst(s):
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†%SPELLING AID LEVELS 3 & 4 (Rote drill)
20)**Subj/Topic:** Spelling **Grades:** 2-5
Description: Spelling practice; 5 words displayed, then shown with random letters missing; errors shown after 25 tries.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Athena Software $7.95

†ELEMENTARY SPELLING (Skills pract)
21)**Subj/Topic:** Spelling **Grades:** 2-6
Description: Stud'ts introduced to keyboard; spelling words are provided at appropriate level for practice.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K+ disk or tape
Sce: Edco $25

FINISH THE WORD (Test genrat)
22)**Subj/Topic:** Spelling **Grades:** 3-6
Description: Ten spelling tests of ten words each; keeps track of test scores; makes audio responses.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: L.I.F.E. Software $9.95

%SPELLING-DRILL (Rote drill)
23)**Subj/Topic:** Spelling **Grades:** 3-12
Description: User enters words; program flashes words to drill spelling; adjustable display time.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Basics & Beyond $24.95 [pk14,30p]**
Rev's: CC 9/80; ET 3/82(0)

%CLIFFHANGER (Educ'l game)
24)**Subj/Topic:** Spelling **Grades:** 3-10
Description: Two players alternate entering and guessing words; like Hangman but performance is scored.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Basics & Beyond $29.95 [pk16,20p]**

SPELLING CONTEXT LEV. 4 (Skills pract)
25)**Subj/Topic:** Spelling **Grades:** 3-5
Description: 40 lessons of 20 words each; most commonly used words; reviews words missed; TRS-80 tape version $89.50.
Syst(s): Apple Atari TRS-80 TRSCol
Lang/Min Hdwre: BASIC; TRS+t; others+dsk
Sce: Bertamax $59.50

SPELLING RULES (Tutorial)
26)**Subj/Topic:** Spelling **Grades:** 3-10
Description: Instruction and practice on six most common spelling rules; exercises in game form.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Micro Power & Light $29.95
Rev's: SMW W82(+); JRM V1(0)

SPELLING BEE (Rote drill)
27)**Subj/Topic:** Spelling **Grades:** 3-10
Description: The computer flashes a word for a set interval, the user types it; words easily changed; disk version $10.95.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95 [pk13,2p]**

%ABAGELS (Educ'l game)
28)**Subj/Topic:** Spelling **Grades:** 3-9
Description: User guesses letters in short words based on logical clues.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K Mod/III,tape
Sce: Project LOCAL Soft $10.95 [pk5,5p]**

HANGMAN & SCRAMBLE (Skills pract)
29)**Subj/Topic:** Spelling **Grades:** 3-12
Description: For handicapped, non-typing children, uses simple input; teacher sets vocabulary; disk $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: E. David & Assoc. $19.95

TIME BOMB (Educ'l game)
30)**Subj/Topic:** Spelling **Grades:** 3-8
Description: Version of Hangman in which wrong guesses shorten the fuse on a large bomb; dsk vers ($23.95) allows wrd change.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t/d;BAS crtdg
Sce: Program Design Inc $16.95

CONTRACTIONS (Skills pract)
31)**Subj/Topic:** Spelling **Grades:** 3-5
Description: Causing 2 words to "crash" together forming contraction provides for recognizing & spelling contractions.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Little Bee $10.95

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

ENGLISH: Spelling (CONT)

MISSPELL (Rote drill)
1)**Subj/Topic:** Spelling **Grades:** 3-6
Description: Designed to help students with spelling errors while reading story; errors created at random.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; 8K+tape/VIC 5K+t
Sce: Comm*Data Comp Hse $9.95

HANGMAN (Educ'l game)
2)**Subj/Topic:** Spelling **Grades:** 3-9
Description: Spelling game; words in data statements can be changed; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $12.95 [pk54,5p]**

TEST YOUR SPELLING (Rote drill)
3)**Subj/Topic:** Spelling **Grades:** 3-8
Description: Student chooses the one word out of a set which is correctly spelled; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk53,5p]**

WORDS IN CONTEXT SPEL'G B (Skills pract)
4)**Subj/Topic:** Spelling **Grades:** 3
Description: Shows words, then asks for words to complete sentences; words are appropr for gr 3; reports perf; 7 tapes.
Syst(s): Apple Atari PET TRSCol
Lang/Min Hdwre: BASIC; Ap/Col+d/At/PET+t
Sce: Micro-Ed $49.95

†PLURAL NOUNS (Skills pract)
5)**Subj/Topic:** Spelling **Grades:** 3-6
Description: Student after studying the included rules for forming plurals must give the plural form of the given nouns.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 3K + tape
Sce: Micro-Ed $7.95

†EXTRA PRACTICE SPELL'G G-3 (Rote drill)
6)**Subj/Topic:** Spelling **Grades:** 3-4
Description: For students needing extra work on skills; 36 lessons; continuous drill till word is learned;vowels,r,c,s,y.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Micro-Ed $49.95

†WORD GUESS SPELL'G SER'S B (Educ'l game)
7)**Subj/Topic:** Spelling **Grades:** 3-4
Description: To supplement classroom instruction; for students average or above; short/long vowel, r,c,s,y,l sounds.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Micro-Ed $49.95

†SPELLING (Rote drill)
8)**Subj/Topic:** Spelling **Grades:** 3-9
Description: Teaches & drills spelling skills in variety of quiz formats; 3 level difficulty; grading & teacher guide.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Concept Educ'l Sft $35

†WHOLE BRAIN SPELLING (Skills pract)
9)**Subj/Topic:** Spelling **Grades:** 3-12
Description: Designed to help student develop internal visualization skills for improving spelling.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk
Sce: Sublogic $34.95
Rev's: ET 9/82(+)

†WORD ZAPPER SERIES (Tutorial)
10)**Subj/Topic:** Spelling **Grades:** 3-5
Description: 6 programs ea give lesson & spelling drill on over 200 words; ea prog $14.95(t)/$17.95(d);all 6 programs $89.70.
Syst(s): Com 64 PET VIC-20
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Micrograms $14.95

SPELLING IN CONTEXT LEV. 5 (Skills pract)
11)**Subj/Topic:** Spelling **Grades:** 4-6
Description: 40 lessons of 20 words each; most commonly used words; reviews words missed; TRS-80 tape version $89.50.
Syst(s): Apple Atari TRS-80 TRSCol
Lang/Min Hdwre: BASIC; TRS+t; others+dsk
Sce: Bertamax $59.50

WORD (Educ'l game)
12)**Subj/Topic:** Spelling **Grades:** 4-8
Description: Student tries to guess computer's word; if wrong, computer tells no. & position(s) of any correct letters.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Compuware $11.95 [pk28,5p]**

SPELLTRONICS (Skills pract)
13)**Subj/Topic:** Spelling **Grades:** 4-9
Description: Systematic approach utilizing letter cloze technique to reinforce correct spelling & visual memory.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Educat'l Activit's $59

CONTRACTIONS (Skills pract)
14)**Subj/Topic:** Spelling **Grades:** 4-9
Description: Text material and examples are given, then exercises on usage of contractions; two cassettes.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET,16K others
Sce: Educat'l Activit's $39.95

COMPU-SPELL (Rote drill)
15)**Subj/Topic:** Spelling **Grades:** 4-12
Description: Teaches spell'g via positive reinforcement; monitors/updates learner's progress; hi-res text/grafx;data dsks $20.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Edu-Ware Services $29.95
Rev's: ET 10/81(+); SMW Su81(0); JCR V1(0)

TANK TACTICS (Educ'l game)
16)**Subj/Topic:** Spelling **Grades:** 4-8
Description: Gain proficiency in correct formation of plural endings. Difficulty of words increases as session progresses.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K/TRS32K+dsk
Sce: Data Command $29.95

SPELLING - GRADE 4 (Rote drill)
17)**Subj/Topic:** Spelling **Grades:** 4-8
Description: Practice spelling some of the words most frequently misspelled at the 4th grade level; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk54,5p]**

SPELLING - GRADE 5 (Rote drill)
18)**Subj/Topic:** Spelling **Grades:** 4-8
Description: Practice spelling some words which are often misspelled at the fifth grade level; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk54,5p]**

WORDS IN CONTEXT SPEL'G C (Skills pract)
19)**Subj/Topic:** Spelling **Grades:** 4
Description: Shows words, then asks for words to complete sentences; are appropriate for grade 4; reports perfor.; 7 tapes.
Syst(s): Apple Atari PET TRSCol
Lang/Min Hdwre: BASIC; Ap/Col+d/At/PET+t
Sce: Micro-Ed $49.95

SPELLING DEMONS (Rote drill)
20)**Subj/Topic:** Spelling **Grades:** 4-12
Description: 9600 wds in units of 100;editing prog lets teacher change wds; stores & reports perf'nc; PET version $400.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; PET+t,d; Apple+d
Sce: L.I.F.E. Software $150

†HANGMAN (Educ'l game)
21)**Subj/Topic:** Spelling **Grades:** 4-8
Description: Guess hidden word; 7 guesses to get it right or you will hang; some easy & some very hard words included.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Aquarius Publish's $14.95

†EXTRA PRACTICE SPELL'G G-4 (Rote drill)
22)**Subj/Topic:** Spelling **Grades:** 4-5
Description: For students needing extra work on skills; 36 lessons; continuous drill till word is learned; vowel work.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Micro-Ed $49.95

†WORD GUESS SPELL'G SER'S C (Educ'l game)
23)**Subj/Topic:** Spelling **Grades:** 4-5
Description: To supplement classroom instruction; for students average or above; more vowels, irregularly spelled words.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Micro-Ed $49.95

†%SPELLING AID LEVEL 5 & 6 (Rote drill)
24)**Subj/Topic:** Spelling **Grades:** 4-7
Description: Spelling practice; 5 words displayed, then shown with random letters missing; errors shown after 25 tries.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Athena Software $7.95

SPELLING IN CONTEXT LEV. 6 (Skills pract)
25)**Subj/Topic:** Spelling **Grades:** 5-7
Description: 40 lessons of 20 words each; most commonly used words; reviews words missed; TRS-80 tape verson $89.50.
Syst(s): Apple Atari TRS-80 TRSCol
Lang/Min Hdwre: BASIC; TRS+t; others+dsk
Sce: Bertamax $69.50

WORDS IN CONTEXT SPEL'G D (Skills pract)
26)**Subj/Topic:** Spelling **Grades:** 5
Description: Shows words, then asks for words to complete sentences; are appropriate for grade 5; reports perfor.; 7 tapes.
Syst(s): Apple Atari PET TRSCol
Lang/Min Hdwre: BASIC; Ap/Col+d/At/PET+t
Sce: Micro-Ed $49.95

†PUNCTUAT'N & CAPITALIZAT'N (Skills pract)
27)**Subj/Topic:** Spelling **Grades:** 5-10
Description: Computer explains & provides practice on punctuat'n & capitalizat'n;for one, groups or classroom; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†EXTRA PRACTICE SPELL'G G-5 (Rote drill)
28)**Subj/Topic:** Spelling **Grades:** 5-6
Description: For students needing extra work on skills; 36 lessons; continuous drill till word is learned;compound words.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Micro-Ed $49.95

†WORD GUESS SPELL'G SER'S D (Educ'l game)
29)**Subj/Topic:** Spelling **Grades:** 5-6
Description: To supplement classroom instruction; for students average or above; compound words, vowel-consonant-vowel.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Micro-Ed $49.95

†STEPS TO SPELLNG BRKTHRU 2 (Skills pract)
30)**Subj/Topic:** Spelling **Grades:** 5-12
Description: Students study words misspelled by 50% of 5th and 6th graders.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K/TRS32K+dsk
Sce: Comp Cseware Srvcs $96

†CAPITALIZATION (Tutorial)
31)**Subj/Topic:** Spelling **Grades:** 5-12
Description: Introduction to 12 rules of English capitalization; optional model mastery worksheet provided.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Instant Software $24.95
Rev's: ET 10/82(0)

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

ENGLISH: Spelling (CONT)

SPELLING IN CONTEXT LEV. 7 (Skills pract)
1)**Subj/Topic:** Spelling **Grades:** 6-8
Description: 40 lessons of 20 words each; most commonly used words; reviews words missed; TRS-80 tape version $99.50.
Syst(s): Apple Atari TRS-80 TRSCol
Lang/Min Hdwre: BASIC; TRS+t; others+dsk
Sce: Bertamax $79.50

WORDS IN CONTEXT SPEL'G E (Skills pract)
2)**Subj/Topic:** Spelling **Grades:** 6
Description: Shows words, then asks for words to complete sentences; are appropriate for grade 6; reports perfor.; 7 tapes.
Syst(s): Apple Atari PET TRSCol
Lang/Min Hdwre: BASIC; Ap/Col+d;At/PET+t
Sce: Micro-Ed $49.95

†EXTRA PRACTICE SPELL'G G-6 (Rote drill)
3)**Subj/Topic:** Spelling **Grades:** 6-7
Description: For students needing extra work on skills, 36 lessons; continuous drill till word is learned; 4-syll words.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Micro-Ed $49.95

†WORD GUESS SPELL'G SER'S E (Educ'l game)
4)**Subj/Topic:** Spelling **Grades:** 6-7
Description: To supplement classroom instruction; for students average or above; prefixes, suffixes & 4-syllable words.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Micro-Ed $49.95

†SPELLING BREAKTHROUGH (Skills pract)
5)**Subj/Topic:** Spelling **Grades:** 6-12
Description: Students study words misspelled by high ability students.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Comp Cseware Srvcs $96

†%SPELLING AID LEVEL 7 & 8 (Rote drill)
6)**Subj/Topic:** Spelling **Grades:** 6-9
Description: Spelling practice; 5 words displayed, then shown with random letters missing; errors shown after 25 tries.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Athena Software $7.95

CONTRACTIONS (Tutorial)
7)**Subj/Topic:** Spelling **Grades:** 7-9
Description: A tutorial on contractions. Includes detailed explanations with examples and drills.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Micro Learningware $7.95

SPELLING - GRADE 7 (Rote drill)
8)**Subj/Topic:** Spelling **Grades:** 7
Description: User chooses which of five words is misspelled; includes drills and quiz; 60 words per tape; 10 tapes, $20 ea.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K, tape
Sce: Microphys $20

%SPELLING-REVIEW (Rote drill)
9)**Subj/Topic:** Spelling **Grades:** 7-12
Description: Flash-word drill on often misspelled words; 800 words, 3 difficulty levels.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Basics & Beyond $24.95 [pk14,30p]**
Rev's: CC 9/80; ET 3/82(0)

SPELLING IN CONTEXT LEV. 8 (Skills pract)
10)**Subj/Topic:** Spelling **Grades:** 7-9
Description: 40 lessons of 20 words each; most commonly used words; reviews words missed; TRS-80 tape version $119.50.
Syst(s): Apple Atari TRS-80 TRSCol
Lang/Min Hdwre: BASIC; TRS+t; others+dsk
Sce: Bertamax $89.50

SPELLING BUILDER (Tutorial)
11)**Subj/Topic:** Spelling **Grades:** 7-12
Description: Instruct'n & pract on spelling; includes final test; 8 prog's & audio tape; Apple & Atari disk versions $26.50.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 16K;Ap+d;others+t
Sce: Program Design Inc $19.95

SPELLING RULES (Tutorial)
12)**Subj/Topic:** Spelling **Grades:** 7-9
Description: Tutorial covering spelling rules. Numerous examples, user selected drills.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Micro Learningware $7.95

†STEPS TO SPELLING BRKTHRU 3 (Skills pract)
13)**Subj/Topic:** Spelling **Grades:** 7-12
Description: Students study words misspelled by 50% of 7th and 8th graders.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Comp Cseware Srvcs $96

†SPELLING I (Tutorial)
14)**Subj/Topic:** Spelling **Grades:** 7-12
Description: Reviews exceptions to spelling rules; ie or ei, demons & nastie demons; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†SPELLING II (Tutorial)
15)**Subj/Topic:** Spelling **Grades:** 7-12
Description: Reviews spelling rules; plurals, homonyms, possessives and endings; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†JUNIOR HIGH SPELLING (Skills pract)
16)**Subj/Topic:** Spelling **Grades:** 7-9
Description: Students introduced to keyboard; spelling words are proveded at appropriate level for practice.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K+ disk or tape
Sce: Edco $25

SPELLING (Skills pract)
17)**Subj/Topic:** Spelling **Grades:** 8-12
Description: Review course; covers plurals, suffixes, homonymns, spel'g by syllables, etc.;req's Educ'l Master Cartridge.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Atari Inc. $29.95

SPELLING - GRADE 8 (Rote drill)
18)**Subj/Topic:** Spelling **Grades:** 8
Description: User chooses which of five words is misspelled; includes drill, quiz; 60 words per tape; 10 tapes, $20 each.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K,tape
Sce: Microphys $20

SPELLING - GRADE 9 (Rote drill)
19)**Subj/Topic:** Spelling **Grades:** 7-9
Description: User chooses which of five words is misspelled; includes drills and quiz; 60 words per tape; 10 tapes, $20 ea.
Syst(s): TRS-80 CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K, tape
Sce: Microphys $20

%SPELLING-BEE (Educ'l game)
20)**Subj/Topic:** Spelling **Grades:** 9-12
Description: Two players compete to spell words given phonetically; words chosen to extend an already firm general vocabulary.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Basics & Beyond $24.95 [pk15,20p]**
Rev's: ET 3/82(0)

SPELLING - GRADE 10 (Rote drill)
21)**Subj/Topic:** Spelling **Grades:** 10
Description: User chooses which of five words is misspelled; includes drills, quiz; 60 words per tape; 10 tapes, $20 ea.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K, tape
Sce: Microphys $20

READING COMPREHENS'N J-K-L (Tutorial)
22)**Subj/Topic:** Spelling **Grades:** 10-12
Description: Builds 25 skills; 12 lessons at ea of 3 levels; vocab drill, main idea preview,read'g,quest's; mgt syst;$150/lev.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk;ptr optl
Sce: Milliken Publish'g $425
Rev's: EL 1-2/82(+)

†SENIOR HIGH SPELLING (Rote drill)
23)**Subj/Topic:** Spelling **Grades:** 10-12
Description: Students increase spelling skills & practice on keyboard; words for high school level.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K+ disk or tape
Sce: Edco $25

SPELLING - GRADE 11 (Rote drill)
24)**Subj/Topic:** Spelling **Grades:** 11
Description: User chooses which of five words is misspelled; includes drills, quiz; 60 words per tape; 10 tapes, $20 ea.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K, tape
Sce: Microphys $20

SPELLING - GRADE 12 (Rote drill)
25)**Subj/Topic:** Spelling **Grades:** 12
Description: User chooses which of five words is misspelled; includes drills and quiz; 60 words per tape; 10 tapes, $20 ea.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K, tape
Sce: Microphys $20

Vocabulary

FOLDIR I (Skills pract)
26)**Subj/Topic:** Vocabulary **Grades:** K-3
Description: Gives practice with directional concepts such as left-right, up-down, on-off, top-bottom, etc.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $30

FOLDIR II (Skills pract)
27)**Subj/Topic:** Vocabulary **Grades:** K-3
Description: Practice working with the concepts of time, comparisons, top-middle-bottom, and addition.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $30

SPATIAL RELATIONS (Skills pract)
28)**Subj/Topic:** Vocabulary **Grades:** K-1
Description: Helps child learn words indicating size & placement,e.g., big/small, tall/short, right/left, over/under, etc.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 24K,tape,joystick
Sce: T.H.E.S.I.S. $17.50

LEARN MORE WORDS (Rote drill)
29)**Subj/Topic:** Vocabulary **Grades:** K-4
Description: Child matches picture on accompanying sheet to displayed word; intermed. difficulty; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk51,5p]**

WORD RECOGNITION (Skills pract)
30)**Subj/Topic:** Vocabulary **Grades:** K-1
Description: Given a word, the child must pick the same word from a set of three; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk49,5p]**

SOUNDS LIKE (Skills pract)
31)**Subj/Topic:** Vocabulary **Grades:** K-4
Description: Practice with words which sound alike but are spelled differently; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk51,5p]**

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

ENGLISH: Vocabulary (CONT)

ALEXANDER THE GREAT (Educ'l game)
1)**Subj/Topic:** Vocabulary **Grades:** K-8
Description: Fantasy game; student gets clues based on speed/accuracy in answering vocabulary quest's;multiple diff levels.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Krell Software $39.95

THE HANGMAN KIT (Educ'l game)
2)**Subj/Topic:** Vocabulary **Grades:** K-12
Description: Consists of 24 programs on 12 tapes. Each program has lists of words according to grade level.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: L.I.F.E. Software $89.95

†THEIR WORLD II (Tutorial)
3)**Subj/Topic:** Vocabulary **Grades:** K-6
Description: Vocabulary building on furniture, animals, insects & transportation; disk lesson, accompanying books & games.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.3or 3.2
Sce: Aquarius Publish's $34.95

†THEIR WORLD I (Tutorial)
4)**Subj/Topic:** Vocabulary **Grades:** K-6
Description: Toys, clothes, and food are subjects for vocabulary building; disk lesson, accompanying books & games.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.3or 3.2
Sce: Aquarius Publish's $34.95

†THEIR WORLD IV (Tutorial)
5)**Subj/Topic:** Vocabulary **Grades:** K-6
Description: About us, what are they doing? Subjects for vocabulary building; disk lesson, accompanying books & games.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.3or 3.2
Sce: Aquarius Publish's $34.95

†THEIR WORLD V (Skills pract)
6)**Subj/Topic:** Vocabulary **Grades:** K-6
Description: Colors and numbers are subjects for vocabulary building; disk lesson with accompanying books & games.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.3or 3.2
Sce: Aquarius Publish's $34.95

†WORD MEMORY (Educ'l game)
7)**Subj/Topic:** Vocabulary **Grades:** K-6
Description: Student must remember 1-5 words in sequence from list correlated to vocab of sev'rl major basals; sound/graph.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Teacher Supp Soft $50
Rev's: EE 3-4/83

CONCEN SYAN (Educ'l game)
8)**Subj/Topic:** Vocabulary **Grades:** 1-6
Description: Game of Concentration with synonyms and antonyms; two players; three difficulty levels.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $30

JUMBLE RACE (Educ'l game)
9)**Subj/Topic:** Vocabulary **Grades:** 1-6
Description: Student progresses in car race by unscrambling letters to form words; teacher supplies words.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $30

TIC JUMBLE (Educ'l game)
10)**Subj/Topic:** Vocabulary **Grades:** 1-6
Description: Two players progress in Tic Tac Toe by unscrambling words; teacher provides 20 words.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $30

WORDMAKER (Educ'l game)
11)**Subj/Topic:** Vocabulary **Grades:** 1-12
Description: 1 or 2 players enter as many 3-/4-letter words as possible in time given; prog checks spellings,scores perf'nce.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 32K+t/40K+d;joyst
Sce: Atari Prog Exchng $22.95

VISUAL VOCAB (Concept demo)
12)**Subj/Topic:** Vocabulary **Grades:** 1-6
Description: 2 study + 2 evaluation prog. develop understanding of adjectives by 26 concepts in 12 levels; used with 27 nouns.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Merry Bee Commun's $29.95

VOCABULARY - ELEMENTARY (Rote drill)
13)**Subj/Topic:** Vocabulary **Grades:** 1-4
Description: 63 word lessons with voice stimulus, easy addition of new lessons; stores and reports student performance.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk, CCD
Sce: Hartley Courseware $64.95

VOCABULARY - DOLCH (Rote drill)
14)**Subj/Topic:** Vocabulary **Grades:** 1-3
Description: Dolch words for grades 1-3 with voice stimulus; easy addition of new lessons; student management disk.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk, CCD
Sce: Hartley Courseware $39.95

WORD FAMILIES (Skills pract)
15)**Subj/Topic:** Vocabulary **Grades:** 1-4
Description: Practice completing words in families; initial/final consonant, medial vowel; student management disk.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Hartley Courseware $29.95
Rev's: CC 3/82(0); SMW W82(0); SMW Su81(+)

ANTONYM MACHINE (Rote drill)
16)**Subj/Topic:** Vocabulary **Grades:** 1-6
Description: Computer presents word, student is asked to give its antonym; 20 words out of 50 ea lesson; reports perf.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

HOMONYM MACHINE (Rote drill)
17)**Subj/Topic:** Vocabulary **Grades:** 1-8
Description: Computer gives a word, the student is asked for its homonym; 20 words out of 50 each lesson; reports perform'nc.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tpae
Sce: Micro-Ed $7.95

HANGMAN (Educ'l game)
18)**Subj/Topic:** Vocabulary **Grades:** 1-8
Description: Word guessing game; can substitute any set of words.
Syst(s): PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET, 16K TRS
Sce: Micro Learningware $7.95

STUDENT WORD STUDY (Rote drill)
19)**Subj/Topic:** Vocabulary **Grades:** 2-6
Description: Pract spelling words & new vocabulary; stud'ts make sentences using words, leaving blank where word should be.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K App+Applesoft
Sce: Hartley Courseware $29.95

VOCABULARY QUIZ (Educ'l game)
20)**Subj/Topic:** Vocabulary **Grades:** 2-12
Description: Improve vocabulary while having fun; vocabulary comes from list of teacher selected wrds; stores/reprts perf.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Edutek Corp. $25

COMPOUND WORD MATCHUP (Skills pract)
21)**Subj/Topic:** Vocabulary **Grades:** 2-4
Description: Given two word lists, student indicates pairs to make compounds; if correct, words crash together;perf rep.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Little Bee $10.95

THANKSGIVING CROSSWORD (Educ'l game)
22)**Subj/Topic:** Vocabulary **Grades:** 2-4
Description: Fun way to learn common words associated with Thanksgiving, can be used in 1st grade with displayed wordlist.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Little Bee $8

WORDSWORTH (Educ'l game)
23)**Subj/Topic:** Vocabulary **Grades:** 2-12
Description: Up to 4 players compete in forming words from letters held; similar to the board game, but with extensions.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Krell Software $29.95 [pk93,5p]**

WORD DEMONS 1- TO/TOO/TWO (Skills pract)
24)**Subj/Topic:** Vocabulary **Grades:** 2-6
Description: Practice in usage of to, too, and two; 10 problems randomly selected; reports student performance.
Syst(s): Atari PET
Lang/Min Hdwre: BASIC; Ata 16K/PET 8K+t
Sce: Micro-Ed $9.95

LETTERMAN - TAPE VERSION (Educ'l game)
25)**Subj/Topic:** Vocabulary **Grades:** 2-8
Description: Non-violent Hangman; 400 words, 3 difficulty levels; user can enter own words; animated color graphics.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Prog Exchng $22.95

LETTERMAN - DISK VERSION (Educ'l game)
26)**Subj/Topic:** Vocabulary **Grades:** 2-8
Description: Nonviolent Hangman; 400 wds, 3 levels; animated col grafx;up to 9 players;opt'l time limits, hints;use own wds.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Atari Prog Exchng $22.95

WORD SCRAMBLE (Educ'l game)
27)**Subj/Topic:** Vocabulary **Grades:** 2-8
Description: A randomly selected word is scrambled and displayed on the screen; the student is asked to unscramble it.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

WORD PUZZLE (Educ'l game)
28)**Subj/Topic:** Vocabulary **Grades:** 2-9
Description: Makes word puzzles from a teacher supplied word list; puzzles presented on screen or printed out.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+tape;prtr opt
Sce: Micro Learningware $7.95

†CONTEXT CLUES (Educ'l game)
29)**Subj/Topic:** Vocabulary **Grades:** 2-5
Description: "Treasure hunt" game offers reinforcement in defining words based on context clues.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K + disk
Sce: Learning Well $49.95

†VOCABULARY BUILDING (Educ'l game)
30)**Subj/Topic:** Vocabulary **Grades:** 2-5
Description: Students develop vocabulary building skills with help of Merlin the wizard.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Learning Well $49.95

†WORD COMMANDER-ELEMTRY A-D (Rote drill)
31)**Subj/Topic:** Vocabulary **Grades:** 2-6
Description: Provides practice at elem level in vocabulary with extensive word definition prog; ea of 4 programs $50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K+ disk or tape
Sce: Edco $50

† This is a new entry in THE SOFTWARE FINDER. ** See Intro. and Sect. II-3.

ENGLISH: Vocabulary (CONT)

WORD STRUCTURE (Tutorial)
1)**Subj/Topic:** Vocabulary **Grades:** 3-8
Description: Individ'd instruct'n in word structure,composition & recognition; incl pre-/post-tests,mgt system; rent $120/yr.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K Ap/TRS M3,dsk
Sce: Borg-Warner Ed Sys $600

MINICROSSWORD (Educ'l game)
2)**Subj/Topic:** Vocabulary **Grades:** 3-8
Description: 4 prog's create cross-word puzzles,play codeword games; builds vocab & spel'g skills;App,Atari dsk vers $23.95.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 16K;Ap+d;others+t
Sce: Program Design Inc $16.95
Rev's: PM W80(+)

DIETING DINOSAUR(ELEM'TRY) (Educ'l game)
3)**Subj/Topic:** Vocabulary **Grades:** 3-6
Description: Vocabulary & spelling game for the entire class; two separate programs with sound, hints, and documents.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Curriculum Appl'ns $29.95
Rev's: SMW W82(+); SMW W83(0)

HORRIBLE HOMONYMS (Tutorial)
4)**Subj/Topic:** Vocabulary **Grades:** 3-12
Description: A series of cassettes giving practice and explanations on correctly using sound-alike words.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: George Earl $19.95
Rev's: TCT 1/82(+); SMW Su82(+)

WORD-MATE (Educ'l game)
5)**Subj/Topic:** Vocabulary **Grades:** 3-6
Description: Child builds compound words with simple words dealt; plays against computer; disk vers (Ap48K/At24K), $25.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: T.H.E.S.I.S. $20
Rev's: MJ W81(0)

CODE RHYME (Educ'l game)
7)**Subj/Topic:** Vocabulary **Grades:** 3-8
Description: Guess rhyming words (ex. a plump feline is a fat cat); 143 word pairs with provision to add your own.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Merry Bee Commun's $24.95

FLIP-E FLOP-E (Educ'l game)
8)**Subj/Topic:** Vocabulary **Grades:** 3-8
Description: Get clues to guess reversal words when must add "e" to one (ex. e+pat = tape); 33 word pairs.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Merry Bee Commun's $24.95

BLENDS AND ENDS (Skills pract)
9)**Subj/Topic:** Vocabulary **Grades:** 3-8
Description: 1 or 2 students practice joining 2-letter word beginnings (blends) and 3-letter endings to make words.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comm*Data Comp Hse $9.95

VOCABULARY TUTOR 1/2 (Rote drill)
10)**Subj/Topic:** Vocabulary **Grades:** 3-6
Description: With emphasis on verbs, pic-ures and text on screen are combined with spoken narration, reinforcement & hints.
Syst(s): TRSCol
Lang/Min Hdwre: Author; 4K + tape
Sce: Radio Shack $8.95

VOCABULARY PROMPTER (Rote drill)
11)**Subj/Topic:** Vocabulary **Grades:** 3-12
Description: Learning aid for vocabulary of any Latin-character-based language;prompts can be words, phrases or questions.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Jagdstaffel Softwe $29.95
Rev's: IW V4#12(+)

ROOTS/AFFIXES (Skills pract)
12)**Subj/Topic:** Vocabulary **Grades:** 3-8
Description: Practice at varying levels of difficulty, pre-/post-tests; stores and reports student performance.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Hartley Courseware $39.95

HOMONYMS (Skills pract)
13)**Subj/Topic:** Vocabulary **Grades:** 3-8
Description: Practice at varying levels of difficulty; pre-/post-tests for mastery, stores and reports student perf.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48 + disk
Sce: Hartley Courseware $39.95

ANTONYMS/SYNONYMS (Skills pract)
14)**Subj/Topic:** Vocabulary **Grades:** 3-8
Description: Practice at varying levels of difficulty; pre/- post-tests for mastery. Stores and reports student perf.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Hartley Courseware $39.95

TEST YOUR VOCABULARY (Skills pract)
15)**Subj/Topic:** Vocabulary **Grades:** 3-8
Description: The student chooses the correct synonym from a list for a given word; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk53,5p]**

WORD FACTORY (Skills pract)
16)**Subj/Topic:** Vocabulary **Grades:** 3-6
Description: Series gives practice in making new words from familiar base words; game format; 4 titles; disk version $67.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Orange Cherry Med $56

VOCABULARY BUILDERS (Tutorial)
17)**Subj/Topic:** Vocabulary **Grades:** 3-8
Description: Expands word analysis skills through definitions, games & review questions; 4 titles; disk version $67.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K+tape;TRS M1/3
Sce: Orange Cherry Med $56
Rev's: SMW W83(-)

†VOCABULARY (Rote drill)
18)**Subj/Topic:** Vocabulary **Grades:** 3-12
Description: Builds & reinforces vocabulary skills at 3 levels of difficulty; quizzes, grading systems, teacher guide.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Concept Educ'l Sft $35

†VOCABULARY BUILDER I (Rote drill)
19)**Subj/Topic:** Vocabulary **Grades:** 3-5
Description: Practice in vocabulary; 4 part mult choice format; 200 questions; 1000 words; user modifiable.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K+ tape
Sce: Computer Island $19.95

%CROSS-WORD-PUZZLER (Educ'l game)
20)**Subj/Topic:** Vocabulary **Grades:** 4-12
Description: Creates crossword puzzles on screen to solve in normal fashion; gives right answ's when done; can use own words.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Basics & Beyond $29.95 [pk16,20p]**
Rev's: SMW W82(+)

LANGUAGE PRACTICE (Skills pract)
21)**Subj/Topic:** Vocabulary **Grades:** 4-12
Description: The computer flashes a word, students must type synonym, opposite for speed and score; also on disk.
Syst(s): Apple CBM PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk20,2p]**
Rev's: TCT 1/82(0); SMW W83(0)

%SCRAMBLE (Educ'l game)
22)**Subj/Topic:** Vocabulary **Grades:** 4-12
Description: Student must unscramble a word in a timed or untimed game; includes color graphics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+dsk,Applesoft
Sce: Teck Associates $19.95 [pk59,14p]**

SYNONYMS (Skills pract)
23)**Subj/Topic:** Vocabulary **Grades:** 4-9
Description: Program displays a word chosen randomly from a list; the student enters its synonym; disk version $10.95.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95 [pk13,2p]**

WANTED (Educ'l game)
24)**Subj/Topic:** Vocabulary **Grades:** 4-8
Description: Child plays detective, "tracks down" problem words; clues given in WANTED poster.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: T.H.E.S.I.S. $15
Rev's: MJ W81(+)

EARL'S WORD POWER (Skills pract)
25)**Subj/Topic:** Vocabulary **Grades:** 4-12
Description: After teaching words, prog'm uses Shakespearian passages to test student's knowledge; 30-day preview avail'bl.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk
Sce: George Earl $29.95

HARDSCRABBLE (Educ'l game)
26)**Subj/Topic:** Vocabulary **Grades:** 4-12
Description: Up to 4 players compete for points by forming connected words; similar to the Scrabble board game.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Krell Software $29.95 [pk93,5p]**

WORD DEMONS 3 (Skills pract)
27)**Subj/Topic:** Vocabulary **Grades:** 4-8
Description: Practice in usage of its/-it's and your/you're; 20 problems filling in blanks in sentences; reports perform.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

WORD DEMONS 5 (Tutorial)
28)**Subj/Topic:** Vocabulary **Grades:** 4-9
Description: Introduces the use of lay & and lie, then gives 20 problems in choosing the proper form; reports performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

WORD DEMONS 4 (Tutorial)
29)**Subj/Topic:** Vocabulary **Grades:** 4-9
Description: Introduces the use of sit & set, then gives 20 problems in choosing the proper form; reports performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

†VOCABULARY DEVELOPMENT A (Skills pract)
30)**Subj/Topic:** Vocabulary **Grades:** 4-6
Description: Covers 4 vocab skills: compound words, prefixes/suffixes, homonyms & vocab in context;from Frych Jacobson list.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; TRS-80 III 32K+d
Sce: Random House $99

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

ENGLISH: Vocabulary (CONT)

RIDDLE ME THIS, HOMONYMS (Educ'l game)
1)**Subj/Topic:** Vocabulary **Grades:** 5-12
Description: Word recognition practice by working with 31 different homonym pairs. Spelling must be correct.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K/TRS32K+dsk
Sce: Data Command $29.95

PIX-PEK-PUT SUFFIXES I (Educ'l game)
2)**Subj/Topic:** Vocabulary **Grades:** 5-12
Description: Experience affixing 6 common suffixes to 150 base words. Ion, ous, ness ment, or, ist. Difficulty increases.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K/TRS32K+dsk
Sce: Data Command $29.95

†**WORD ELEMENTS SERIES 1** (Skills pract)
3)**Subj/Topic:** Vocabulary **Grades:** 5-12
Description: 5 progs give pract on prefixes to improve comprehension; sub, uni, bi, semi, hemi, demi, inter, trans &intra.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Brain Bank $60

†**WORD ELEMENTS SERIES 2** (Educ'l game)
4)**Subj/Topic:** Vocabulary **Grades:** 5-12
Description: 5 programs give practice on prefixes to improve comprehension; mal, mis, dis, & dys plus a review test.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Brain Bank $60

†**WORD ELEMENTS SERIES 3** (Educ'l game)
5)**Subj/Topic:** Vocabulary **Grades:** 5-12
Description: 5 progs give pract on suffixes to improve compreh'nsn; meter, gram & in relation to metric system; rev test.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Brain Bank $60

†**WORD ELEMENTS SERIES 4** (Tutorial)
6)**Subj/Topic:** Vocabulary **Grades:** 5-12
Description: Learn meanings of suffixes to improve comprehension; ess, fy, ize,ic, ical/ically; review test included.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K;Ap+d;PET+tord
Sce: Brain Bank $60

†**WORD ELEMENTS SERIES 6** (Tutorial)
7)**Subj/Topic:** Vocabulary **Grades:** 5-12
Description: Learn meanings of prefixes to improve comprehension; audi,tele,phono, photo,stereo,video; review test included.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K;Ap+d;PET+tord
Sce: Brain Bank $60

†**VOCABULARY SERIES** (Rote drill)
8)**Subj/Topic:** Vocabulary **Grades:** 5-12
Description: 24 programs/72 lessons on words commonly found in daily newspapers & weekly news magazines; TRS Color 32K+d.
Syst(s): Apple Atari TRSCol VIC-20
Lang/Min Hdwre: BASIC; Ap48K+d/Atl6K/V3K
Sce: Micro-Ed $168
Rev's: SMW Su82(+)

HOMONYMS (Skills pract)
9)**Subj/Topic:** Vocabulary **Grades:** 6-12
Description: Text material and examples are given, then practice with homonyms and homographs; 2 cassettes.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET,16K others
Sce: Educat'l Activit's $39.95

SYNONYMS AND ANTONYMS (Skills pract)
10)**Subj/Topic:** Vocabulary **Grades:** 6-12
Description: Review of difficult areas with synonyms and antonyms, then exercises; 2 cassettes.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K, 16K others
Sce: Educat'l Activit's $39.95

GUESSWORD (Educ'l game)
11)**Subj/Topic:** Vocabulary **Grades:** 6-10
Description: One or two players try to guess secret word based on clues; like Password.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: T.H.E.S.I.S. $15

KEY LINGO (Educ'l game)
12)**Subj/Topic:** Vocabulary **Grades:** 6-12
Description: Adventure game that gives pract/self-instr'n in vocabulary, other lang arts skills; 100 wds ea at 3 levels.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Readers Digest $48.96

THE CHAMBERS OF VOCAB (Educ'l game)
13)**Subj/Topic:** Vocabulary **Grades:** 6-12
Description: Maze game; gives pract/self-instr'n in vocabulary & related language arts skills; 100 words at ea. of 3 levels.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Readers Digest $48.96

TRICKSTER COYOTE (Educ'l game)
14)**Subj/Topic:** Vocabulary **Grades:** 6-12
Description: Indian legend game; gives pract/self-instr'n in vocabulary, related lang arts skills; 100 wds ea. of 3 levels.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Readers Digest $48.96

CONTEXT CLUES (Tutorial)
15)**Subj/Topic:** Vocabulary **Grades:** 6-8
Description: Vocab develep't thru context, defin'n, contrast, educated guesses, example; has mgt syst with auto promotion.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Milton Bradley $44.95

ROOT WORDS (Rote drill)
16)**Subj/Topic:** Vocabulary **Grades:** 6-8
Description: Introd concepts, prefix tutor, suffix tutor, root word tutor & word building; has mgt syst with auto promot'n.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.3
Sce: Milton Bradley $44.95

†**VOCABULARY DEVELOPMENT B** (Skills pract)
17)**Subj/Topic:** Vocabulary **Grades:** 6-9
Description: Provides coverage in: multiple meaning wds, synonyms/antonyms,context clues & affixes;4 student disks,1 mgt dsk.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; TRS-80 III 32K+d
Sce: Random House $99

†**WORDWRIGHT** (Educ'l game)
18)**Subj/Topic:** Vocabulary **Grades:** 6-12
Description: Improves vocab in various subject areas via competitive games; pkg incl 3 games, 3 dictionaries; backup $150.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 48K
Sce: Encyclopedia Britt $299

†**VOCABULARY BUILDER II** (Rote drill)
19)**Subj/Topic:** Vocabulary **Grades:** 6-8
Description: Practice in vocabulary; 4 part mult choice format; 200 questions; 1000 words; user modifiable.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Computer Island $19.95

VOCABULARY - GRADE 7 (Rote drill)
20)**Subj/Topic:** Vocabulary **Grades:** 7
Description: Multiple choice questions on word meanings; includes drill with clues, quiz; five cassettes, $20 each.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K, tape
Sce: Microphys $20
Rev's: SMW Su82(+)

%**PREFIX-STUDY-AND-QUIZ** (Tutorial)
21)**Subj/Topic:** Vocabulary **Grades:** 7-12
Description: Introduces prefixes, gives application exercises, and quizzes on definitions.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Basics & Beyond $24.95 [pk15,20p]**
Rev's: ET 3/82(0)

%**SUFFIX-STUDY-AND-QUIZ** (Tutorial)
22)**Subj/Topic:** Vocabulary **Grades:** 7-12
Description: Introduces suffixes, gives application exercises, and quizzes on definitions.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Basics & Beyond $24.95 [pk15,20p]**
Rev's: CC 3/80; ET 3/82(0)

VOCABULARY BUILDER 1: BEG. (Skills pract)
23)**Subj/Topic:** Vocabulary **Grades:** 7-12
Description: Graded vocab quest's on synonyms/antonyms end'g in vocab test; 1000 wds, 400 quest's;App,Atari dsk vers$23.95.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET;16K others
Sce: Program Design Inc $16.95
Rev's: MJ V3#2(0)

VOCABULARY BUILDER 2: ADV. (Skills pract)
24)**Subj/Topic:** Vocabulary **Grades:** 7-12
Description: Graded vocab quest's on synonyms/antonyms end'g in vocab test; 400 quest's,1000 wds;App,Atari dsk vers$23.95.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET;16K others
Sce: Program Design Inc $16.95
Rev's: MJ V3#2(0)

DIETING DINOSAUR(MID SCHL) (Educ'l game)
25)**Subj/Topic:** Vocabulary **Grades:** 7-8
Description: Vocabulary & spelling game for the entire class; two separate program with sound, hints, and documents.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Curriculum Appl'ns $29.95
Rev's: SMW W82(+); SMW W83(0)

%**VOCAB** (Rote drill)
26)**Subj/Topic:** Vocabulary **Grades:** 7-12
Description: Practice on the spellings & meanings of 1140 words; gives hints; performance report; 2 difficulty levels.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Tycom Associates $15.95
Rev's: SMW Su81(0); CC 1/81(+)

FOREIGN / ENGLISH (Rote drill)
27)**Subj/Topic:** Vocabulary **Grades:** 7-14
Description: Over 900 American vocabulary words that come directly from foreign languages.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Sliwa Enterprises $30

PIC-PEK-PUT, BASE WORDS (Skills pract)
28)**Subj/Topic:** Vocabulary **Grades:** 7-12
Description: Help recognizing the bases of up to 185 affixed words. Student must identify bases. Each round more difficult.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K/TRS32K+dsk
Sce: Data Command $29.95

PREFIX SUFFIX (Tutorial)
29)**Subj/Topic:** Vocabulary **Grades:** 7-9
Description: Tutorial with definitions, explanations, and examples. Includes prefixes & suffixes & their meanings. Drills.
Syst(s): TRS-80
Lang/Mim Hdwre: BASIC; 16K ModI/III+tape
Sce: Micro Learningware $7.95

†**WORD RACE:WORD RECREATIONS** (Educ'l game)
30)**Subj/Topic:** Vocabulary **Grades:** 7-12
Description: 8 students race across their tracks while having fun with words.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;padls
Sce: Edupro $19.95

†This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

ENGLISH: Vocabulary (CONT)

†WORD COMMANDER- JR HIGH (Rote drill)
1)**Subj/Topic:** Vocabulary **Grades:** 7-9
Description: Provides extensive practice of vocabulary & definitions for Jr High level.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K+ disk or tape
Sce: Edco $50

VOCABULARY - GRADE 8 (Rote drill)
2)**Subj/Topic:** Vocabulary **Grades:** 8
Description: Multiple choice questions on word meanings; includes drills with clues and quiz; five cassettes, $20 each.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K,tape
Sce: Microphys $20
Rev's: SMW Su82(+)

VOCABULARY BUILDER (Rote drill)
3)**Subj/Topic:** Vocabulary **Grades:** 9-12
Description: Series of 15 programs that offer 3 different formats. The package contains over 1000 words.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Micro Learningware $24.95

VOCABULARY - GRADE 9 (Rote drill)
4)**Subj/Topic:** Vocabulary **Grades:** 9
Description: Multiple choice questions on word meanings; includes drills with clues and quiz; 5 cassettes, $20 each.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K, tape
Sce: Microphys $20
Rev's: SMW Su82(+)

VOCABULARY BUILDER (Skills pract)
5)**Subj/Topic:** Vocabulary **Grades:** 9-12
Description: Study aid for college board exams. Multiple choice, automatic grading, antonyms or synonyms.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+dsk,Applesoft
Sce: Sliwa Enterprises $25

WORD ANALOGY (Skills pract)
6)**Subj/Topic:** Vocabulary **Grades:** 9-12
Description: Study aid for college board exams. Multiple choice, automatic grading, single- & double-word relationships.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+dsk,Applesoft
Sce: Sliwa Enterprises $25

SYNONYM SERIES (Skills pract)
7)**Subj/Topic:** Vocabulary **Grades:** 9-12
Description: 3 tapes, 15 lessons, 450 words, must match word with expression which is its synonym, lists trouble words.
Syst(s): Atari PET
Lang/Min Hdwre: BASIC; Ata 16K/PET 8K+t
Sce: Micro-Ed $21

†WORD COMMANDER - SR HIGH (Skills pract)
8)**Subj/Topic:** Vocabulary **Grades:** 9-12
Description: Provides extensive practice of vocabulary & definitions for Sr High level.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K+ disk or tape
Sce: Edco $50

†VOCABULARY BUILDER III (Rote drill)
9)**Subj/Topic:** Vocabulary **Grades:** 9-12
Description: Practice in vocabulary; 4 part mult choice format; 200 questions, 1000 words; user modifiable.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Computer Island $19.95

VOCABULARY - GRADE 10 (Rote drill)
10)**Subj/Topic:** Vocabulary **Grades:** 10
Description: Multiple choice questions on word meanings; includes drills and quiz; five cassettes, $20 each.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K, tape
Sce: Microphys $20
Rev's: SMW Su82(+)

VOCABULARY - GRADE 11 (Rote drill)
11)**Subj/Topic:** Vocabulary **Grades:** 11
Description: Multiple choice questions on word meanings; drills with clues and quiz; 5 cassettes, $20 each.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K, tape
Sce: Microphys $20
Rev's: SMW Su82(+)

VOCABULARY - GRADE 12 (Rote drill)
12)**Subj/Topic:** Vocabulary **Grades:** 12
Description: Multiple choice questions on word meanings; includes drills with clues and quiz; 5 cassettes, $20 each.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K,tape
Sce: Microphys $20
Rev's: SMW Su82(+)

Writing

†STORY MACHINE (Educ'l game)
13)**Subj/Topic:** Writing **Grades:** K-4
Description: Educational toy that helps children learn to write sentences, paragraphs & simple stories.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Spinnaker Software $34.95

NURSERY TIME (Skills pract)
14)**Subj/Topic:** Writing **Grades:** K-2
Description: Open-ended, interactive electronic book with music, color, action, hidden letter challenge, prompt own story.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Merry Bee Commun's $29.95

STORYBOARD (Author lang)
15)**Subj/Topic:** Writing **Grades:** 1-12
Description: Teachers place page of text on screen for students to reconstruct;like full-page Hangman but with timed clues.
Syst(s): Apple PET VIC-20
Lang/Min Hdwre: BASIC; unknown
Sce: Wida Software $40

STORY STARTER (Skills pract)
16)**Subj/Topic:** Writing **Grades:** 2-6
Description: Practice in constructing stories using "starter" phrases based on cause/effect & time/sequence patterns.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Random House $14.97

†ORGANIZED WRITING/MR WRITE (Tutorial)
17)**Subj/Topic:** Writing **Grades:** 2-6
Description: Teaches organization of writing thru use of numbers; on disk $369.00; 5 disks, one for ea grade level.
Syst(s): TRS-80
Lang/Min Hdwre: Machine; 16K+ tape or disk
Sce: Unique Prog'ng Svc $339

†SEQUENCE (Educ'l game)
18)**Subj/Topic:** Writing **Grades:** 2-5
Description: This game offers practice & reinforcement in placing paragraphs in proper sequence.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K + disk
Sce: Learning Well $49.95

POETRY WRITING (Skills pract)
19)**Subj/Topic:** Writing **Grades:** 3-9
Description: Interacts with student to prompt & assist in the writing of a simple poem; on disk $12.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Cove View Press $9.95

PROOF IT (Skills pract)
20)**Subj/Topic:** Writing **Grades:** 3-8
Description: Helps to develop a pattern for proofreading own work; children's stories on 4 levels.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Merry Bee Commun's $24.95

CAPITALIZATION (Skills pract)
21)**Subj/Topic:** Writing **Grades:** 3-8
Description: Gives capitalization rules & examples, then 25 practice sentences w/ graphics reinforcers; stores/reports perf.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Hartley Courseware $49.95
Rev's: SMW Su82(+); SMW W83(-)

†THE BANK STREET WRITER (Word Processor
22)**Subj/Topic:** Writing **Grades:** 4-12
Description: Word processor designed for the young writer; emphasizes ease of use; simplifies editing and re-drafting.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Scholastic Inc $95

SENTENCE COMBINING(SENCOM) (Tutorial)
23)**Subj/Topic:** Writing **Grades:** 4-8
Description: Improves writing skills via sentence combining; intro's concepts,gives ex's & pract, records/repts perf; mgt sys.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Milliken Publish'g $95

†GRAMMAR AND WRITING (Tutorial)
24)**Subj/Topic:** Writing **Grades:** 4-12
Description: Program instructs, reinf'ces & evaluates grammatical skills to improve student's writing ability; backup $100.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Encyclopedia Britt $266

†COMPUPOEM (Educ'l game)
25)**Subj/Topic:** Writing **Grades:** 4-12
Description: Provides study & writing of poetry; attention to basic & advanced composition skills.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+d, DOS 3.3
Sce: Stephen Marcus $16.95

SEQUENCE EVENTS (Skills pract)
26)**Subj/Topic:** Writing **Grades:** 5-10
Description: Helps student to organize information logically. Student identifies correct order for phrases.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K/TRS32K+dsk
Sce: Data Command $29.95

†CUES & QUOTES UNIT VII (Tutorial)
27)**Subj/Topic:** Writing **Grades:** 7-12
Description: Focus on mechanics of writing; learn about & practice punctuating for clear writing.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3/3.2
Sce: Ctr-Educ'l E.D.E. $45

†IMPROVE WRITING STYLE-ADVD (Tutorial)
28)**Subj/Topic:** Writing **Grades:** 7-12
Description: Reviews parallel structure, sentence beginnings & excess words for mature writing; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†MECHANICS (Tutorial)
29)**Subj/Topic:** Writing **Grades:** 7-12
Description: Reviews rules of mechanics in correct writing; end marks,commas, quotations, capitalization; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d,PET8K+t
Sce: Right On Programs $13

† This is a new entry in THE SOFTWARE FINDER.

ENGLISH: Literature

†WORD DRAW: AMER WRITERS (Educ'l game)
1)**Subj/Topic:** Literature **Grades:** 2-7
Description: 4 stud'ts work cooperatively or competitively w/ authors, bks, characters fr classics & pop lit; on disk$14.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d
Sce: Edupro $19.95

†WORD RACE:AMER THEME, LIT (Educ'l game)
2)**Subj/Topic:** Literature **Grades:** 2-7
Description: 8 players race along individ tracks while presented with concepts from American literature; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t,24K+d;padls
Sce: Edupro $19.95

ADVERTISING TECHNIQUES (Tutorial)
3)**Subj/Topic:** Literature **Grades:** 5-12
Description: Instruction and practice on principles of critical analysis; exposes four methods of persuasion.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Micro Power & Light $24.95

HAIKU (Concept demo)
4)**Subj/Topic:** Literature **Grades:** 6-12
Description: Creates poetry based on haiku rules from appropriate stored words; student may edit on line by line basis.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

†POETRY (Skills pract)
5)**Subj/Topic:** Literature **Grades:** 7-10
Description: Pract w/ quest's about &comparisons of simple poetic forms; reviews missed items; stores/reports performance.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: Avant Garde Creatns $29.95

READINGS IN LITERATURE (Skills pract)
6)**Subj/Topic:** Literature **Grades:** 7-12
Description: Practice recalling words, spellings in 27 famous passages; uses color graphics and sound.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: George Earl $29.95
Rev's: PM Sp80(0); SMW Su81(+)

†WORD DRAW:WRLD ARD US, LIT (Educ'l game)
7)**Subj/Topic:** Literature **Grades:** 7-12
Description: 4 students together discover authors, their books & major characters; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t,24K+d;padls
Sce: Edupro $19.95

†WORD RACE:WRLD ARD US, LIT (Educ'l game)
8)**Subj/Topic:** Literature **Grades:** 7-12
Description: 8 stud'ts work to solve problems about literature; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;padls
Sce: Edupro $19.95

ASTRO QUOTES (Skills pract)
9)**Subj/Topic:** Literature **Grades:** 7-9
Description: Makes missing-letter puzzles with clues, using famous quotations; Apple and Atari disk versions $23.95.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 16K;Ap+d;others+t
Sce: Program Design Inc $16.95
Rev's: CC 10/80

SYLLOGISTIC LOGIC (Skills pract)
10)**Subj/Topic:** Literature **Grades:** 9-12
Description: Practice identifying categorical proposition types, drawing Venn diagrams, creating categorical syllogisms.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K Model I, disk
Sce: Conduit $50

ENGLISH: Engl, 2nd Lang

%OCCUPATIONS VOCABULARY (Rote drill)
11)**Subj/Topic:** Engl, 2nd Lang **Grades:** 2-6
Description: Drills listening, speaking, read'g,writ'g; hi-res grafx,voice;requires Supertalker @ $250; 10-topic pkg $750.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+2d, voice syn
Sce: Bipacs $99

%PLACES VOCABULARY (Rote drill)
12)**Subj/Topic:** Engl, 2nd Lang **Grades:** 2-6
Description: Drills listening, speaking, read'g,writ'g; hi-res grafx,voice;requires Supertalker @ $250; 10-topic pkg $750.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+2d, voice syn
Sce: Bipacs $99

%OFFICE VOCABULARY (Rote drill)
13)**Subj/Topic:** Engl, 2nd Lang **Grades:** 2-6
Description: Drills listening, speaking, read'g,writ'g; hi-res grafx,voice;requires Supertalker @ $250; 10-topic pkg $750.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+2d, voice syn
Sce: Bipacs $99

%HOME VOCABULARY (Rote drill)
14)**Subj/Topic:** Engl, 2nd Lang **Grades:** 2-6
Description: Drills listening, speaking, read'g,writ'g; hi-res grafx,voice;requires Supertalker @ $250; 10-topic pkg $750.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+2d, voice syn
Sce: Bipacs $99

FINE ARTS

CREATIVITY LIFE DYNAMIC (Computl tool)
15)**Subj/Topic:** General **Grades:** 2-12
Description: Designed to stimulate creativity; helps in drawing colored, animated pictures, writing poems & making music.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,lang card
Sce: Avant Garde Creatns $24.95

FINE ARTS: Art

†DELTA DRAWING (Computl tool)
16)**Subj/Topic:** Art **Grades:** K-6
Description: Create own colorful drawings on screen using single key commands to control the cursor;print if have printer.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Spinnaker Software $59.95

†FACEMAKER (Educ'l game)
17)**Subj/Topic:** Art **Grades:** K-3
Description: 3 games in one; blank face must be filled in; completed face made to show expressions; repeat sequences.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Spinnaker Software $34.95

†JILLS TWINKLE (Educ'l game)
18)**Subj/Topic:** Art **Grades:** K-1
Description: Game for practicing color and number identification , and add simple numbers .
Syst(s): Atari
Lang/Min Hdwre: Machine; 16K + tape
Sce: H.E.L. Laborator's $11.95

†PICTURE-PLAY (Educ'l game)
19)**Subj/Topic:** Art **Grades:** K-12
Description: Elect'nc magic slate allows students to draw with animation, patterns, changing colors; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d
Sce: Edupro $19.95

†ETCH A VIC (Computl tool)
20)**Subj/Topic:** Art **Grades:** 1-12
Description: A computer version of popular drawing game; pictures may be saved on cassette tapes.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Comm*Data Comp Hse $7.95

†COLOR ME (Skills pract)
21)**Subj/Topic:** Art **Grades:** 2-5
Description: A computer coloring book w/ 25 pictures; use paddles or joystick to select from 32 color pots for creativity.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Versa Computing $29.95

†PAINT (Computl tool)
22)**Subj/Topic:** Art **Grades:** 3-14
Description: Using hundreds of color textures & different size paint brushes, student can creat wonderful paintings.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 48K+disk;Atari800
Sce: Reston Publishing $39.95
Rev's: EL 10/82(+)

COMPU-ART (Computl tool)
23)**Subj/Topic:** Art **Grades:** 3-8
Description: Draws geometric patterns on CRT under user control; good for counting & computer introduction.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Mega-Byte Systems $10.95

†GRAPHICS COMPOSER (Skills pract)
24)**Subj/Topic:** Art **Grades:** 4-12
Description: Student uses paddles or joystick to draw picture; color fill, brush & text to complete graphics design.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Versa Computing $39.95
Rev's: ET 7/82(+); CC2/82(+)

†SKETCH-A-DRAWING (Computl tool)
25)**Subj/Topic:** Art **Grades:** 4-12
Description: Design any picture,graph, or text on screen & will create program to reproduce said drawing;recall&modificat'n.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Aquarius Publish's $14.95

†DRAWPIC (Computl tool)
26)**Subj/Topic:** Art **Grades:** 4-14
Description: Easy way to create; use joystick & easy commands to make beautiful images; can save & recall creations.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Artworx $29.95

EDU-PAINT (Computl tool)
27)**Subj/Topic:** Art **Grades:** 4-12
Description: Enables drawing in hi-res color graphics; includes replicat'g, sav'g any part of picture;use paddles or tablet.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk,paddles
Sce: San Juan Unif Schl $20

COMPUTA-DOODLE (Computl tool)
28)**Subj/Topic:** Art **Grades:** 6-12
Description: Allows drawing pictures on screen; can use w/ own progs to add animation; on dsk $19.95 (Incl w/ Simul Comp).
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Edu-Soft $14.95
Rev's: CC 9/80

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product.

FINE ARTS: Art (CONT)

†SKETCHPAD (Computl tool)
1)**Subj/Topic:** Art **Grades:** 7-14
Description: Program has 23 commands for drawing, coloring & merging designs; draw points, lines, solid areas, mirror images.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Prog Exchng $22.95

U-DRAW II (Computl tool)
2)**Subj/Topic:** Art **Grades:** 7-12
Description: Create hi-res shapes, then rotate, expand or move them; lay out floor plans, arrange furniture, draw any shapes.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Muse Software $39.95
Rev's: PM Sp80(0)

†STEREO 3-D GRAPHICS PACK'G (Computl tool)
3)**Subj/Topic:** Art **Grades:** 9-12
Description: Lets you learn to see wire frame model in true 3-D; optional paddle controllers, pocket stereoscope.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Atari Prog Exchng $22.95

FINE ARTS: Music

†THE MAGIC MELODY BOX (Computl tool)
4)**Subj/Topic:** Music **Grades:** K-12
Description: Create 4 voice, harmonized song, involves 2 simple steps; controllers required; about 1 minute of song.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Prog Exchng $15.95

PLAYER PIANO (Computl tool)
5)**Subj/Topic:** Music **Grades:** K-8
Description: User presses keys shown on 20-key piano display to create/play music; 1 voice, various tempos, edit & save opts.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 24K+tape;ptr optl
Sce: Atari Prog Exchng $22.95

MATCHING RHYTHMS (Skills pract)
6)**Subj/Topic:** Music **Grades:** 1-6
Description: User matches a rhythm using the space bar; uses CB2 sound & amplifier.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K,tape,CB2 ampl
Sce: Micro-Ed $7.95

HIGHER, SAME, LOWER (Skills pract)
7)**Subj/Topic:** Music **Grades:** 1-6
Description: User decides if second note is higher, same, lower than the first note; uses CB2 sound & amplifier.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K,tape,CB2 sound
Sce: Micro-Ed $7.95

LINES/SPACES, TREBLE CLEF (Tutorial)
8)**Subj/Topic:** Music **Grades:** 1-6
Description: Teaches names of lines and spaces of treble clef, also the associated tones; gives test; uses CB2 sound amplif.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K,tape,CB2 sound
Sce: Micro-Ed $7.95

PLAYER PIANO (Computl tool)
9)**Subj/Topic:** Music **Grades:** 1-12
Description: Play music directly from the keyboard or create, modify & save on tape or disk.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 24K + tape
Sce: Santa Cruz Edu Sof $14.95

KEYBOARD ORGAN (Computl tool)
10)**Subj/Topic:** Music **Grades:** 1-12
Description: User presses keys shown on piano keyboard display to create/play music;1 voice, 2 sound qual's;playalong opt.
Syst(s): Atari
Lang/Min Hdwre: FORTH; 24K + disk
Sce: Atari Prog Exchng $22.95

MUSIC READING (Rote drill)
11)**Subj/Topic:** Music **Grades:** 1-12
Description: Electronic flash card displays base & treble clef, single note; flash rate user determined;on disk $12.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+tape;32K+disk
Sce: Cove View Press $9.95
Rev's: PM Sp80(0)

NOTE RACE (Educ'l game)
12)**Subj/Topic:** Music **Grades:** 1-6
Description: 2 players use paddles to move note to position named; teacher set options.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Merry Bee Commun's $11.95

NOTE GAMES (Rote drill)
13)**Subj/Topic:** Music **Grades:** 1-6
Description: Use paddle or joystick to place notes on staff in position named; 2 lessons + options (bounce, words).
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Merry Bee Commun's $11.95

NOTE LESSONS (Rote drill)
14)**Subj/Topic:** Music **Grades:** 1-6
Description: 2 lessons+opt's; in Capture, keypress stops note when in position named;In Namer,identifies name of note shown.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Merry Bee Commun's $11.95

ARNOLD (Skills pract)
15)**Subj/Topic:** Music **Grades:** 1-12
Description: Teaches tone recognition and melodic memory skills; beginners to very difficult; uses sofeggio or scale deg #'s.
Syst(s): Apple
Lang/Min Hdwre: BASIC; Apple II, DAC brd
Sce: Micro-Music Inc. $190
Rev's: EC 4/82(0); JCR V1#1(0)

MUSICAL STAFF DRILL (Skills pract)
16)**Subj/Topic:** Music **Grades:** 1-8
Description: Beginning musician learns to correlate piano keys with notes from a graphic display staff.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Edutek Corp. $20

TONAL ENCOUNTER (Skills pract)
17)**Subj/Topic:** Music **Grades:** 1-6
Description: Computer plays melody, child plays it back; 5 skill levels plus demonstration mode; dsk vers (At24K/Ap48K)$25.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: T.H.E.S.I.S. $20 [pk24,2p]**
Rev's: PM Su81(+)

NAME THAT TUNE (Educ'l game)
18)**Subj/Topic:** Music **Grades:** 2-12
Description: Aural identification of scale degrees using solfeggio or scale numbers; familiar tunes; game context.
Syst(s): Apple
Lang/Min Hdwre: BASIC; Apple II, DAC brd
Sce: Micro-Music Inc. $100

DOREMI (Skills pract)
19)**Subj/Topic:** Music **Grades:** 2-12
Description: Aural identification of individual degrees of major scale using solfeggio or scale degree numbers.
Syst(s): Apple
Lang/Min Hdwre: BASIC; Apple II, DAC brd
Sce: Micro-Music Inc. $100
Rev's: JRM V1(+)

INTERVAL MANIA (Educ'l game)
20)**Subj/Topic:** Music **Grades:** 2-12
Description: Visual & aural identification of music intervals; game context; includes maj.,min.,dim.,aug.,perf. intrvl.
Syst(s): Apple
Lang/Min Hdwre: Machine; Apple II +DAC brd
Sce: Micro-Music Inc. $190
Rev's: EC 4/82(0); JRM V1(+); JCR V1#1(0)

MUSICAL STORIES (Rote drill)
21)**Subj/Topic:** Music **Grades:** 3-6
Description: Practice note reading by replacing notes with letter names within story; treble, bass or grand staff choice.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Merry Bee Commun's $19.95

COMPOSE (Computl tool)
22)**Subj/Topic:** Music **Grades:** 3-8
Description: Converts PET to organ; with graphics on screen to assist, allows student to compose, playback & save song.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comaldor $20

GUIDE TO COMPOSERS (Rote drill)
23)**Subj/Topic:** Music **Grades:** 3-12
Description: Spelling recall & recognit'n of famous composers & their works; difficulty level controlled by student.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS 3.3 or3.2
Sce: Micro-Music Inc. $90

GUIDE TO GENL MUSIC TERMS (Rote drill)
24)**Subj/Topic:** Music **Grades:** 3-14
Description: Identify, spell& recall common musical terms; difficulty controlled by the student.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3 or 3.2
Sce: Micro-Music Inc. $90

MODE DRILLS (Skills pract)
25)**Subj/Topic:** Music **Grades:** 3-14
Description: Programs for visual & aural drill to recognize major, minor & church modes.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3or3.2
Sce: Micro-Music Inc. $110

PITCH DRLS, NO ACCIDENTALS (Rote drill)
26)**Subj/Topic:** Music **Grades:** 3-14
Description: Visual drill on names of lines & spaces in treble & bass clefs; includes pitch game in tranposition.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3 or 3.2
Sce: Micro-Music Inc. $110

GUIDE-STD INSTRUMENT NAMES (Rote drill)
27)**Subj/Topic:** Music **Grades:** 3-12
Description: Drill on spelling, recognition, and basic information about instruments.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk, DAC brd
Sce: Micro-Music Inc. $90

MELODIUS DICTATOR (Skills pract)
28)**Subj/Topic:** Music **Grades:** 3-12
Description: Recognition & notation of single-line melodies; adjusts to student's ability from beginning to advanced.
Syst(s): Apple
Lang/Min Hdwre: Machine; Apple II+DAC brd
Sce: Micro-Music Inc. $190
Rev's: EL V1#1(+); JRM V1(+); CC 10/80

EQUIVALENT NOTES (Rote drill)
29)**Subj/Topic:** Music **Grades:** 4-8
Description: Sounds, displays note; child types equivalent note (F); reports student performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K,tape,CB2 ampl
Sce: Micro-Ed $7.95

MUSICMASTER - BEGINNER MOD (Computl tool)
30)**Subj/Topic:** Music **Grades:** 4-12
Description: Intros,gives practice with scales, intervals, triads; reports, stores perf'nc; req's alphaSyntauri synthesizer.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,lang card
Sce: Syntauri $150

† This is a new entry in THE SOFTWARE FINDER. ** See Intro. and Sect. II-3.

FINE ARTS: Music (CONT)

ELEMENTS OF MUSIC (Skills pract)
1)**Subj/Topic:** Music **Grades:** 4-9
Description: Drill & practice in teaching note names, key signature ID, & pitch placement on piano keyboard.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Electr Cseware Sys $125

INSTRUMENT DRILL (Skills pract)
2)**Subj/Topic:** Music **Grades:** 4-12
Description: Practice in fingering an instrument; realistic grafix of instrument & notes;12 progs avail,ea for one instrum't.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comaldor $20

ORGAN (Computl tool)
3)**Subj/Topic:** Music **Grades:** 4-12
Description: Plays tones indicated by keys; can save tunes and vary loudness and timbre.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Micropute $14.95
Rev's: CC 9/80

MUSIC COMPOSING AID (Computl tool)
4)**Subj/Topic:** Music **Grades:** 4-12
Description: Enables user to create & play own music on the Apple; no additional hardware required; includes music sample.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Compuware $11.95 [pk29,3p]**

KEYNOTE (Computl tool)
5)**Subj/Topic:** Music **Grades:** 4-12
Description: User may enter, review, store & update music; plays through cassette speaker or amp;5 octaves;tempo ctrl.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Hayden Book Co. $13.95

†ADVANCED MUSIC SYSTEM (Computl tool)
6)**Subj/Topic:** Music **Grades:** 5-14
Description: Up to 4 independent voices, play complex rhythms; optional paddle controllers, stereo cable & tape recorder.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Atari Prog Exchng $29.95

†RHYTHM PLAY (Skills pract)
7)**Subj/Topic:** Music **Grades:** 5-10
Description: Provides drill in perform'g rhythm patterns; pattern displayed, student "plays" pattern using keyboard.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Minn Ed Comp Consrt $30 [pk125,7p]**
Rev's: EL 10/81(+); JRM V1(+)

†VISUAL INTERVALS (Skills pract)
8)**Subj/Topic:** Music **Grades:** 5-10
Description: Presents drill in recogniz'g intervals by sight; plays 2 notes & student identifies interval between them.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Minn Ed Comp Consrt $30 [pk125,7p]**
Rev's: EL 10/81(+); JRM V1(+)

†MISSING NOTE (Skills pract)
9)**Subj/Topic:** Music **Grades:** 5-10
Description: Provides drill in elementary melodic dictation; pattern is played, student must identify missing note.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Minn Ed Comp Consrt $30 [pk125,7p]**
Rev's: EL 10/81(+)

†AURAL INTERVAL (Skills pract)
10)**Subj/Topic:** Music **Grades:** 5-10
Description: Provides drill in recogniz'g intervals by ear; plays 2 pitches & pupil must identify interval between them.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Minn Ed Comp Consrt $30 [pk125,7p]**
Rev's: EL 10/81(+); JRM V1(+)

†COUNTING (Rote drill)
11)**Subj/Topic:** Music **Grades:** 5-10
Description: Provides drill on time signatures, note & rest types & counting.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Minn Ed Comp Consrt $30 [pk125,7p]**
Rev's: EL 10/81(+)

†WRONG NOTE (Skills pract)
12)**Subj/Topic:** Music **Grades:** 5-10
Description: Practice in comparing written & performed pitch patterns; displays & plays 5 notes; must decide wrong note.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Minn Ed Comp Consrt $30 [pk125,7p]**
Rev's: EL 10/81(+)

†RHYTHM (Skills pract)
13)**Subj/Topic:** Music **Grades:** 5-10
Description: Drill in comparing written & performed rhythm patterns; displays pattern; must identify from 3 patterns heard.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Minn Ed Comp Consrt $30 [pk125,7p]**
Rev's: EL 10/81(+); JRM V1(+)

NOTE TYPES (Rote drill)
14)**Subj/Topic:** Music **Grades:** 5-12
Description: Drill on recognizing notes as quarter, eighth, etc. & on number of beats to be held. From MECC.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+d,BASIC Crtdg
Sce: Minn Ed Comp Consrt $30 [pk112,5p]**

NAME THE NOTE (Rote drill)
15)**Subj/Topic:** Music **Grades:** 5-12
Description: Gives student practice in identifying notes in both treble & bass clefs. From MECC.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+d,BASIC Crtdg
Sce: Minn Ed Comp Consrt $30 [pk112,5p]**
Rev's: JRM V1(on earlier Apple vers.)

KEY SIGNATURES (Rote drill)
16)**Subj/Topic:** Music **Grades:** 5-12
Description: Drills the student in recognizing key signatures; from MECC.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+d,BASIC Crtdg
Sce: Minn Ed Comp Consrt $30 [pk112,5p]**

TERMS (Rote drill)
17)**Subj/Topic:** Music **Grades:** 5-12
Description: Gives drills on definitions of 57 musical terms; 3 difficulty levels. From MECC.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+d,BASIC crtdg
Sce: Minn Ed Comp Consrt $30 [pk112,5p]**
Rev's: JRM V1 (on earlier Apple vers.)

ENHARMONICS (Rote drill)
18)**Subj/Topic:** Music **Grades:** 5-12
Description: Drill on identifying notes of equal pitch that may be written differently, e.g., F♯,G flat. From MECC.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+d,BASIC crtdg
Sce: Minn Ed Comp Consrt $30 [pk112,5p]**
Rev's: JRM V1 (on earlier Apple vers.)

%COMPUTER-COMPOSER (Concept demo)
19)**Subj/Topic:** Music **Grades:** 5-12
Description: Composes, demonstrates, and explains white, brown, and 1/F music; requires small amplifier.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K,tape,aud ampl
Sce: Basics & Beyond $29.95 [pk16,20p]**

†MUSICAL COMP'TR-MUSICTUTOR (Tutorial)
20)**Subj/Topic:** Music **Grades:** 6-12
Description: Gives solid overview of mechanics of music; note reading,rhythm,clefs dynamic & tempo markings, signs & symbols.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 40K + disk
Sce: Atari Prog Exchng $15.95

RHYTHMIC DICTATOR (Educ'l game)
21)**Subj/Topic:** Music **Grades:** 6-12
Description: Aural basic rhythm patterns & notation on 1 line rhythmic staff; game format; self adjusts begin'g to advanced.
Syst(s): Apple
Lang/Min Hdwre: BASIC; Apple II+DAC brd
Sce: Micro-Music Inc. $190
Rev's: JRM V1(+); EL 10/81(+)

MUSIC COMPOSER (Computl tool)
22)**Subj/Topic:** Music **Grades:** 7-12
Description: Enter, play, change & save 4-part music; 3-octave range; notes displayed on colored staff as played.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K RAM + tape
Sce: Atari Inc. $59.95
Rev's: PM Su81(+); CC 4/81(+); PM Su80(+)

%MUSIC-TRANSPOSITION (Computl tool)
23)**Subj/Topic:** Music **Grades:** 7-12
Description: Transposes notes between any two keys; can be used to check work of student learning to transpose.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Basics & Beyond $24.95 [pk14,30p]**

GUIDE TO MUSICAL SYMBOLS (Rote drill)
24)**Subj/Topic:** Music **Grades:** 7-12
Description: Drill on identifying, spelling, and recalling musical symbols.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk, DAC brd
Sce: Micro-Music Inc. $90

GUIDE-ITALIAN MUSIC TERMS (Rote drill)
25)**Subj/Topic:** Music **Grades:** 7-12
Description: Identification, spelling, & recall of commonly used Italian terms; game format added for interest.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk, DAC brd
Sce: Micro-Music Inc. $90

SIR WILLIAM WRONG NOTE (Tutorial)
26)**Subj/Topic:** Music **Grades:** 7-12
Description: Identification of wrong note in 4-voice chordal context; with external comparison of "correct" and "wrong".
Syst(s): Apple
Lang/Min Hdwre: BASIC; Apple II +DAC brd
Sce: Micro-Music Inc. $190
Rev's: JRM V1(+)

†ELECTRIC DUET (Tutorial)
27)**Subj/Topic:** Music **Grades:** 8-12
Description: Accepts, edits, transposes, stores & plays 2-part music(4-1/2 octaves) without add-on hardware; w/ trace feature.
Syst(s): Apple
Lang/Min Hdwre: Machine; 32K + disk
Sce: Insoft $24.95
Rev's: CC 12/82(+); IW V4#35(+)

MECC MUSIC TERMS/NOTATIONS (Rote drill)
28)**Subj/Topic:** Music **Grades:** 9-12
Description: 6 programs deal with music terms & notations; identify quarter, half notes, pitches, key signatures.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Sunburst Commun's $30

ELECTRIC DUET (Computl tool)
29)**Subj/Topic:** Music **Grades:** 9-12
Description: Enables user to create and play 2-part music without additional hardware; 5-octave range; includes demo music.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K + DOS 3.3
Sce: Insoft $29.95
Rev's: SS 5/82; PLG 82; IW V4#35(+)

NOTES & SCALES - MINOR (Skills pract)
30)**Subj/Topic:** Music **Grades:** 9-12
Description: Introduction to chromatic & minor scales; full sound - helps students build normal,ancient&melodic;also on disk.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comaldor $20

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

FINE ARTS: Music (CONT)

NOTES & PITCH (Skills pract)
1)**Subj/Topic:** Music **Grades:** 9-12
Description: A sight & sound introduction to pitch,bass,treble,notes,etc;also on dsk.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comaldor $20

NOTES & STAVES (Tutorial)
2)**Subj/Topic:** Music **Grades:** 9-12
Description: Theory lesson on grand staff treble staff, bass staff - introduction to clefs; disk version available.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comaldor $20

HARMONIOUS DICTATOR (Tutorial)
3)**Subj/Topic:** Music **Grades:** 9-14
Description: Teaches chord progression listen'g with numerals & inversions; covers tonic dominant to secondary.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3 or 3.2
Sce: Micro-Music Inc. $190
Rev's: EL 10/81(+)

CHORD MANIA (Skills pract)
4)**Subj/Topic:** Music **Grades:** 9-14
Description: Practice on chords with recognit'n of 4 voice chords in any combination of chord qualities & inversions.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS 3.3.or3.2
Sce: Micro-Music Inc. $190

GUIDE, FOREIGN INSTRUMENT (Rote drill)
5)**Subj/Topic:** Music **Grades:** 9-14
Description: Identify spell & recall common foreign instrument names; difficulty controlled by student.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3 or 3.2
Sce: Micro-Music Inc. $90

INTERVAL DRILLMASTER (Skills pract)
6)**Subj/Topic:** Music **Grades:** 9-12
Description: Provides practice in identifying & notat'g simple melodic intervals; includes record-keeping.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Conduit $75

ENVELOPE SHAPER (Computl tool)
7)**Subj/Topic:** Music **Grades:** 9-12
Description: Allows user to design & construct music timbres by plotting envelope of harmonics; HIRES display of waveforms.
Syst(s): Apple
Lang/Min Hdwre: BASIC; Apple II, DAC brd
Sce: Micro-Music Inc. $100

MUSIC COMPOSER (Computl tool)
8)**Subj/Topic:** Music **Grades:** 9-12
Description: User may compose & perform using 1-4 voices; graphic entry; music displayed; Fourier timbre constr'n;saves.
Syst(s): Apple
Lang/Min Hdwre: BASIC; MMI DAC board
Sce: Micro-Music Inc. $175
Rev's: JRM V1(+)

†MUSIC THEORY (Tutorial)
9)**Subj/Topic:** Music **Grades:** 1-12
Description: Teaches how to read music and improves listening skills; on disk $19.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K+ tape or disk
Sce: Instant Software $14.95

NOTES & SCALES - MAJOR (Tutorial)
10)**Subj/Topic:** Music **Grades:** 9-12
Description: Introduction to chromatic & major scale with sound; helps students understand and build scales; also on disk.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comaldor $20

FINE ARTS: Photography

PHOTOGRAPHY FUNDAMENTS (Tutorial)
11)**Subj/Topic:** Photography **Grades:** 10-12
Description: 16 programs using graphics to describe photographic fundamentals and optics.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + disk
Sce: Sheridan College $150

FOREIGN LANGUAGE

%HOME VOCABULARY (Rote drill)
12)**Subj/Topic:** General **Grades:** 2-6
Description: Drills listening, speaking, reading,writing;hi-res grafx,voice; French or Spanish; requires Supertalker ` $250.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+2d, voice syn
Sce: Bipacs $99

%OCCUPATIONS VOCABULARY (Rote drill)
13)**Subj/Topic:** General **Grades:** 2-6
Description: Drills listening, speaking, reading,writing;hi-res grafx,voice; French or Spanish; requires Supertalker ` $250.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+2d, voice syn
Sce: Bipacs $99

%PLACES VOCABULARY (Rote drill)
14)**Subj/Topic:** General **Grades:** 2-6
Description: Drills listening, speaking, reading,writing;hi-res grafx,voice; French or Spanish; requires a Supertalker ` $250.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+2d, voice syn
Sce: Bipacs $99

%OFFICE VOCABULARY (Rote drill)
15)**Subj/Topic:** General **Grades:** 2-6
Description: Drills listening, speaking, reading,writing;hi-res grafx,voice; French or Spanish; requires Supertalker ` $250.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+d, voice syn
Sce: Bipacs $99

VOCABULARY PROMPTER (Rote drill)
16)**Subj/Topic:** General **Grades:** 3-12
Description: Learning aid for vocabulary on any Latin-character-based language;prompts can be words, phrases or questions.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Jagdstaffel Softwe $29.95
Rev's: IW V4#12(+)

†CASTLE BUILDER TFL-1 (Educ'l game)
17)**Subj/Topic:** General **Grades:** 6-12
Description: Teacher creates own exercise & drill in French, German, Russian, Spanish or Eng; alphabets provided; 3 games.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $95

†MONSTER MAKER TFL-2 (Educ'l game)
18)**Subj/Topic:** General **Grades:** 6-12
Description: Teacher creates own drill & exercise in French, German, Russian, Spanish or Eng; alphabets provided; 3 games.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $95

†SUB CHASE TFL-3 (Educ'l game)
19)**Subj/Topic:** General **Grades:** 6-12
Description: Teacher creates own drill & exercise in French, German, Russian, Spanish or Eng; alphabet provided; 3 games.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $95

†HELICOPTERS TFL-4 (Educ'l game)
20)**Subj/Topic:** General **Grades:** 6-12
Description: Teacher creates own drill & exercise in French, German, Russian, Spanish or Eng; alphabets provided; 3 games.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $95

FOREIGN LANG VOCABUL'Y DRL (Rote drill)
21)**Subj/Topic:** General **Grades:** 7-12
Description: Drill on foreign language vocabulary; available in German, Spanish, or French.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Compu-Tations $24.95

FOREIGN LANGUAGE: French

†COUNTER (Skills pract)
22)**Subj/Topic:** French **Grades:** 1-3
Description: Learn to count to 15 in French; displays objects, controllers required.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Atari Prog Exchng $29.95

†%ER VERB TUTORIAL (Tutorial)
23)**Subj/Topic:** French **Grades:** 4-9
Description: Prog'm uses comparative linguistics to intro er verb endings; subject pronouns reviewed; drill appended.
Syst(s): Com 64 PET
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Ordinafrancais $85 [pk22,9p]**

†%ER VERB DRILL (Rote drill)
24)**Subj/Topic:** French **Grades:** 4-9
Description: Program randomly selects subject pronoun & verb stem; student types verb ending; status line, reward included.
Syst(s): Com 64 PET
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Ordinafrancais $85 [pk22,9p]**

†%RE VERB TUTORIAL (Tutorial)
25)**Subj/Topic:** French **Grades:** 4-9
Description: Conditional review of subject pronouns plus quiz on & teaching of re verb endings; er-re verb drill appen'd.
Syst(s): Com 64 PET
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Ordinafrancais $85 [pk22,9p]**

†%ER-RE VERB DRILL (Rote drill)
26)**Subj/Topic:** French **Grades:** 4-9
Description: Selects re or er+re; random print of pronoun & verb stem; student types ending; status line, reward incl.
Syst(s): Com 64 PET
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Ordinafrancais $85 [pk22,9p]**

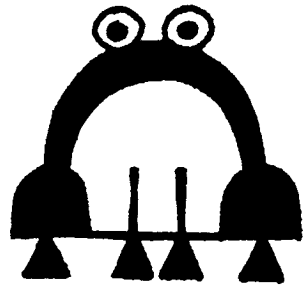
†%IR VERB TUTORIAL (Tutorial)
27)**Subj/Topic:** French **Grades:** 4-10
Description: Reviews subject pronouns & ir verb endings; conditional branching to student responses.
Syst(s): Com 64 PET
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Ordinafrancais $85 [pk22,9p]**

†%ER-RE-IR VERB DRILL (Rote drill)
28)**Subj/Topic:** French **Grades:** 4-10
Description: Student drilled on verb endings after selecting verb types; random selection insures no two drills alike.
Syst(s): Com 64 PET
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Ordinafrancais $85 [pk22,9p]**

†%SUBJECT PRONOUN DRILL (Rote drill)
29)**Subj/Topic:** French **Grades:** 4-9
Description: Choice of drill type: matching, French given & student types Eng & vice versa; random selection; reward.
Syst(s): Com 64 PET
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Ordinafrancais $85 [pk22,9p]**

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

LEARN FRENCH WITH YOUR COMMODORE PET



FRENCH VERB CAI PACKAGE

$85 (shipping & handling incl.)

ORDINAFRANCAIS
3591 DUDLEY RD.
NORTH VANC., B.C.
V7R 3B9 CANADA

DISC CONTAINS:

1. ER VERB TUTORIAL*
2. RE VERB TUTORIAL*
3. IR VERB TUTORIAL*
4. ER VERB DRILL
5. RE VERB DRILL
6. ER / RE VERB DRILL
7. IR VERB DRILL
8. ER/RE/IR VERB DRILL
9. IRREG. VERB DRILL #1
10. IRREG. VERB DRILL #2

*Programmed learning with extensive response-dependent branching

Documentation incl. **Classroom tested** **Fully de-bugged**

FOREIGN LANGUAGE: French (CONT)

†%IRREGULAR VERB DRILL #1 (Rote drill)
1)**Subj/Topic:** French **Grades:** 4-10
Description: Stud't drilled frm choice of 15 common irreg verbs; random selc'tn of infinitive, pronoun; stud't types form.
Syst(s): Com 64 PET
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Ordinafrancais $85 [pk22,9p]**

%FRENCH (Skills pract)
2)**Subj/Topic:** French **Grades:** 5-12
Description: Vocabulary builder for beginning French student; optional multiple choice or spelled-out responses.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Tycom Associates $15.95
Rev's: CC 1/81(+)

†%FRENCH SPELLING L'VLS 1&2 (Rote drill)
3)**Subj/Topic:** French **Grades:** 5-12
Description: Spelling practice; 5 words displayed, then shown with random letters missing; errors shown after 25 tries.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Athena Software $7.95

†FRENCH BASEBALL (Educ'l game)
4)**Subj/Topic:** French **Grades:** 5-12
Description: Teaches vocabulary words w/ baseball game format; 2 levels; 200 words; user modifiable; incorrect answers rev'wd.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Computer Island $19.95
Rev's: RB 11/82

†%IRREGULAR VERB DRILL #2 (Rote drill)
5)**Subj/Topic:** French **Grades:** 6-12
Description: Drill from select'n of 15 higher-level irreg verbs incl reflexives; status line, help routine & reward.
Syst(s): Com 64 PET
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Ordinafrancais $85 [pk22,9p]**

†UN COURS DE GRAMMAIRE (Skills pract)
6)**Subj/Topic:** French **Grades:** 6-12
Description: Review essn'tl French gram'r concepts; multiple choice & fill-in questions & exam; test file to record scores.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+d; Aplsft
Sce: Gessler Publishing $43.95

†LA GUILLOTINE (Educ'l game)
7)**Subj/Topic:** French **Grades:** 6-9
Description: Hangman game format for learning French.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Gessler Publishing $27.95

†POKER PARI (Educ'l game)
8)**Subj/Topic:** French **Grades:** 6-12
Description: Students review French culture, grammar & vocab by means of cards being dealt to each team or player.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk; Aplsft
Sce: Gessler Publishing $39.95

†PRESENT & PAST VERB TENSES (Tutorial)
9)**Subj/Topic:** French **Grades:** 6-12
Description: Introductory lessons, examples for conjugation of regular & irregular verbs in present & past tense.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk; Aplsft
Sce: Gessler Publishing $32.95

†PRESENT TENSE OF REG VERBS (Skills pract)
10)**Subj/Topic:** French **Grades:** 6-8
Description: Student reviews conjugation of -er, -ir, & -re French verbs.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K+ disk
Sce: Gessler Publishing $24.95

†LA CARTE DE FRANCE (Educ'l game)
11)**Subj/Topic:** French **Grades:** 6-12
Description: Students learn about regions of France thru map-related activities; includes final exam.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk; Aplsft
Sce: Gessler Publishing $43.95

†LES CARRES, LE LABYRINTHE (Educ'l game)
12)**Subj/Topic:** French **Grades:** 6-12
Description: 2 culture games in which students respond to culture questions or unscramble French words.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk; Aplsft
Sce: Gessler Publishing $32.95

†PRONOMS RELATIES & INTER'S (Skills pract)
13)**Subj/Topic:** French **Grades:** 6-12
Description: Students review relative and interrogative pronouns.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk; Aplsft
Sce: Gessler Publishing $33.95

†ANTONYMS & SYNONYMS (Educ'l game)
14)**Subj/Topic:** French **Grades:** 6-12
Description: Students learn French synonyms and antonyms thru concentration game.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K+dsk
Sce: Gessler Publishing $29.95

†LA FUSEE FR-1A (Educ'l game)
15)**Subj/Topic:** French **Grades:** 6-12
Description: Game & reference program on conjugations in present tense of French verbs.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†LA PUMAISE FR-1B (Educ'l game)
16)**Subj/Topic:** French **Grades:** 6-12
Description: Game & reference program on possessive & demonstrative French adjectives.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

FOREIGN LANGUAGE: French (CONT)

†L'ATTAQUE FR 2A (Educ'l game)
1)**Subj/Topic:** French **Grades:** 6-12
Description: Game & reference program on agreement of French adjectives.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†LA TEMPETE FR 2B (Educ'l game)
2)**Subj/Topic:** French **Grades:** 6-12
Description: Game & reference program on avior, aller, etre & irregular French verbs.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†LE CANON FR-3A (Educ'l game)
3)**Subj/Topic:** French **Grades:** 6-12
Description: Game & reference program on avoir with passee compose.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†SUPER TOE FR-3B (Educ'l game)
4)**Subj/Topic:** French **Grades:** 6-12
Description: Game & reference program on etre with passe compose.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

FRENCH NOUNS (Rote drill)
5)**Subj/Topic:** French **Grades:** 7-12
Description: Student chooses number of nouns he wishes to review. Given in English; 2 chances to get proper French noun.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comm*Data Comp Hse $9.95

FOREIGN LANGUAGE: FRENCH (Rote drill)
6)**Subj/Topic:** French **Grades:** 7-14
Description: A fun way to learn foreign languages; each disk includes over 800 entries ranging from easy to hard.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Sliwa Enterprises $30

FRENCH DELICACY (Educ'l game)
7)**Subj/Topic:** French **Grades:** 7-8
Description: Vocabulary & spelling game for the entire first-year French class; with English hints, sound & documents.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Curriculum Appl'ns $19.95

THE FRENCH HANGMAN (Educ'l game)
8)**Subj/Topic:** French **Grades:** 7-12
Description: Practice French in Hangman game format; 300 words, 175 sentences, proper French orthography.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: George Earl $29.95
Rev's: SMW W82(+); SMW W82(0)

†L'ATTERRISSAGE FR-4A (Educ'l game)
9)**Subj/Topic:** French **Grades:** 7-12
Description: Game & reference program on French antonyms.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†GRAN PRIX FR-4B (Educ'l game)
10)**Subj/Topic:** French **Grades:** 7-12
Description: Game & reference program on French cbject pronouns.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†LE GRAND CHATEAU FR-5A (Educ'l game)
11)**Subj/Topic:** French **Grades:** 7-12
Description: Game & reference program on agreement of French participles.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†LES COUREURS FR-5B (Educ'l game)
12)**Subj/Topic:** French **Grades:** 7-12
Description: Game & reference program on negation/passe compose.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†LE MONSTRE FR-6A (Educ'l game)
13)**Subj/Topic:** French **Grades:** 7-12
Description: Game & reference program on passe compose of reflexives.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†SUPER TOE FR-6B (Educ'l game)
14)**Subj/Topic:** French **Grades:** 7-12
Description: Game & reference program on passe compose varieties.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†FRENCH VOCABULARY DRILL (Rote drill)
15)**Subj/Topic:** French **Grades:** 7-12
Description: Practice in learning French vocabulary; practice file; option to enter input & save specific files.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Compu-Tations $24.95

LANGUAGE TEACHER - FRENCH (Rote drill)
16)**Subj/Topic:** French **Grades:** 9-12
Description: Drills and tests on word combinations, conjugations, and phrases; French to English and vice versa.
Syst(s): Atari TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Acorn Software Prod $29.95
Rev's: SMW W/82

CONVERSATIONAL FRENCH (Skills pract)
17)**Subj/Topic:** French **Grades:** 9-12
Description: Practice on phrases needed for travelling; phrases spelled, spoken & illustrated simultaneously; 5 cassettes.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Inc. $ n/av

ADVENTURE (ENGLISH/FRENCH) (Educ'l game)
18)**Subj/Topic:** French **Grades:** 9-12
Description: User explores huge cavern & tries to bring back treasures; thrilling adventures; dialog in French or English.
Syst(s): CP/M
Lang/Min Hdwre: Machine; 48K + disk
Sce: Compuware $24.95

ASTRO WORD SEARCH: FRENCH (Skills pract)
19)**Subj/Topic:** French **Grades:** 9-11
Description: Creates word-search puzzles with French words, reports student performance; Apple & Atari disk vers, $23.95.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 16K;Ap+d;others+t
Sce: Program Design Inc $16.95

%FRENCH VERB CONJUGATIONS (Rote drill)
20)**Subj/Topic:** French **Grades:** 9-12
Description: Gives infinitive of verb, a subject pronoun & 1 of 8 tenses; student enters conjugated verb; reports perf'nc.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Tycom Associates $15.95

FOREIGN LANGUAGE: German

†COUNTER (Skills pract)
21)**Subj/Topic:** German **Grades:** 1-3
Description: Learn to count to 15 in German; displays objects, controllers required.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Prog Exchng $29.95

†%GERMAN SPELLING L'VLS 1&2 (Rote drill)
22)**Subj/Topic:** German **Grades:** 5-12
Description: Spelling practice; 5 words displayed, then shown with random letters missing; errors shown after 25 tries.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Athena Software $7.95

†POKER PARAT (Educ'l game)
23)**Subj/Topic:** German **Grades:** 6-12
Description: Student reviews German culture, grammar & vocab by means of cards dealt to each team or player.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk; Aplsft
Sce: Gessler Publishing $39.95

†DEUTSCHE GRAMMATIK (Skills pract)
24)**Subj/Topic:** German **Grades:** 6-12
Description: Student reviews declension of definite article, accusative, dative, either/or prepositions.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk; Aplsft
Sce: Gessler Publishing $29.95

†ANTONYMS (Educ'l game)
25)**Subj/Topic:** German **Grades:** 6-12
Description: Student reviews German antonyms via concentration type game.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K+dsk
Sce: Gessler Publishing $25.95

†DIE RAKETE GE-1A (Educ'l game)
26)**Subj/Topic:** German **Grades:** 6-12
Description: Game & reference program on German regular present tense.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†DIE WETTFAHRT GE-1B (Educ'l game)
27)**Subj/Topic:** German **Grades:** 6-12
Description: Game & reference program on German DER-words & EIN-words.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†DIE BURG GE-2A (Educ'l game)
28)**Subj/Topic:** German **Grades:** 6-12
Description: Game & reference program on the German irregular present tense.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†EIN WETTLAUF GE-2B (Educ'l game)
29)**Subj/Topic:** German **Grades:** 6-12
Description: Game & reference program on German haben, sein & werden.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†DAS UNGEHEUER GE-3A (Educ'l game)
30)**Subj/Topic:** German **Grades:** 6-12
Description: Game & reference program on the German irregular past tense.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†DER KRIEG GE-3B (Educ'l game)
31)**Subj/Topic:** German **Grades:** 6-12
Description: Game & reference program on the German future tense.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

FOREIGN LANGUAGE: GERMAN (Rote drill)
32)**Subj/Topic:** German **Grades:** 7-14
Description: A fun way to learn foreign languages; each disk includes over 800 entries ranging from easy to hard.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Sliwa Enterprises $30

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product.

FOREIGN LANGUAGE: German (CONT)

†SUPER TOE GE 4A (Educ'l game)
1)**Subj/Topic:** German **Grades:** 6-12
Description: Game & reference program on the German accusative case.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†DER KAEFER GE-4B (Educ'l game)
2)**Subj/Topic:** German **Grades:** 7-12
Description: Game & reference program on the German regular past tense.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†DIE LANDUNG GE-5A (Educ'l game)
3)**Subj/Topic:** German **Grades:** 7-12
Description: Game & reference program on German modal auxiliaries.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†DAS GEWITTER GE-5B (Educ'l game)
4)**Subj/Topic:** German **Grades:** 7-12
Description: Game & reference program on the German present perfect tense.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†DAS U-BOOT GE-6A (Educ'l game)
5)**Subj/Topic:** German **Grades:** 7-12
Description: Game & reference program on the German dative case.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†SUPER TOE GE-6B (Educ'l game)
6)**Subj/Topic:** German **Grades:** 7-12
Description: Game & reference program on German acc, dat & gen cases.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

MICRO-DEUTSCH (Rote drill)
7)**Subj/Topic:** German **Grades:** 9-12
Description: 24 grammar lessons covering all material in an introductory German course, plus four test units.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; 32K + tape
Sce: Krell Software $179

APFELDEUTSCH (Tutorial)
8)**Subj/Topic:** German **Grades:** 9-12
Description: Complete self-study course in German with six sound cassettes, workbook, textbook, 7 Apple disks.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Wida Software $230

LANGUAGE TEACHER - GERMAN (Rote drill)
9)**Subj/Topic:** German **Grades:** 9-12
Description: Drills and tests on word combinations, conjugations, and phrases; German to English and vice versa.
Syst(s): Atari TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Acorn Software Prod $29.95

CONVERSATIONAL GERMAN (Skills pract)
10)**Subj/Topic:** German **Grades:** 9-12
Description: Practice on phrases needed for travelling; phrases are simultaneously spelled, spoken & illustrated; 5 tapes.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Inc. $ n/av

REFLEXIVE PRONOUNS (Skills pract)
11)**Subj/Topic:** German **Grades:** 9-12
Description: Personal pronoun and case (dative or accusative) are given, student enters the reflexive form.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

POSSESSIVE PRONOUNS (Skills pract)
12)**Subj/Topic:** German **Grades:** 9-12
Description: Student gives missing inflectional endings for possessive pronouns in sentences.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

MODAL (AUXILIARY) VERBS (Skills pract)
13)**Subj/Topic:** German **Grades:** 9-12
Description: Given an English sentence, user enters German article, noun, modal verb & non-modal infinitive.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

SEPARABLE PREFIX VERBS (Skills pract)
14)**Subj/Topic:** German **Grades:** 9-12
Description: Given a German infinitive, the user responds with the third person singular of a separable prefix verb.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

PERSONAL PRONOUN (Skills pract)
15)**Subj/Topic:** German **Grades:** 9-12
Description: Practice supplying correct case forms of personal pronouns, i.e., accusative, dative, or genetive.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

COMPARA/SUPERLATIVE, ADJ'S (Skills pract)
16)**Subj/Topic:** German **Grades:** 9-12
Description: Practice using comparative and superlative forms of common adjectives.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

BASIC VERBS (Skills pract)
17)**Subj/Topic:** German **Grades:** 9-12
Description: Practice using common verbs in several different contexts; helps build a useful vocabulary of action words.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

ADJECTIVES (Skills pract)
18)**Subj/Topic:** German **Grades:** 9-12
Description: Practice using adjectives in several different different formats.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95
Rev's: SMW Su81(0)

NOUNS (Skills pract)
19)**Subj/Topic:** German **Grades:** 9-12
Description: Vocabulary practice on singular and plural nouns and articles in all 4 cases.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

ADVERBS AND CONJUNCTIONS (Skills pract)
20)**Subj/Topic:** German **Grades:** 9-12
Description: Practice using a useful set of adverbs and conjunctions in different formats.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

SEIN AND HABEN (Skills pract)
21)**Subj/Topic:** German **Grades:** 9-12
Description: Practice using sein and haben in first, second, and third person forms, both singular and plural.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

STRONG AND IRREGULAR VERBS (Skills pract)
22)**Subj/Topic:** German **Grades:** 9-12
Description: Practice with strong and irregular verbs, either for translation or for the "principal parts".
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

%GERMAN (Rote drill)
23)**Subj/Topic:** German **Grades:** 9-12
Description: Passive review, active drill on vocabulary (nouns & verbs); drills mult choice or full-answer; reports perform'nc.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Tycom Associates $19.95

FOREIGN LANGUAGE: Italian

†ITALIAN BASEBALL (Educ'l game)
24)**Subj/Topic:** Italian **Grades:** 5-12
Description: Teaches vocabulary words w/ baseball game format; 2 levels; 200 words; user modifiable; incorrect answers rev'wd.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Computer Island $19.95
Rev's: RB 11/82

LANGUAGE TEACHER - ITALIAN (Rote drill)
25)**Subj/Topic:** Italian **Grades:** 9-12
Description: Drills and tests on word combinations, conjugations, and phrases; Italian to English and vice versa.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Acorn Software Prod $29.95

CONVERSATIONAL ITALIAN (Skills pract)
26)**Subj/Topic:** Italian **Grades:** 9-12
Description: Practice on phrases needed for travelling; phrases are simultaneously spelled, spoken & illustrated; 5 tapes.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Inc. $ n/av

FOREIGN LANGUAGE: Latin

ROMAN BANQUET (Educ'l game)
27)**Subj/Topic:** Latin **Grades:** 7-8
Description: Vocabulary & spelling game for the entire first-year Latin class; with English hints, sound, & documents.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Curriculum Appl'ns $19.95

FOREIGN LANGUAGE: Russian

†RAKETA RU-1A (Educ'l game)
28)**Subj/Topic:** Russian **Grades:** 6-12
Description: Game & reference program on the Russian Cyrillic alphabet.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†PODVODNAYA LODKA RU-1B (Educ'l game)
29)**Subj/Topic:** Russian **Grades:** 6-12
Description: Game & reference program on Russian gender identification.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†GONKI RU-2A (Educ'l game)
30)**Subj/Topic:** Russian **Grades:** 6-12
Description: Game & reference program on Russian possessive adjectives.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product.

FOREIGN LANGUAGE: Russian (CONT)

†SUPER TOE RU-2B (Educ'l game)
1)**Subj/Topic:** Russian **Grades:** 6-12
Description: Game & reference program on Russian present tense conjugations.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†KREML RU-3A (Educ'l game)
2)**Subj/Topic:** Russian **Grades:** 6-12
Description: Game & reference program on Russian accusative & genitive.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†NASEKOMIYE RU-3B (Educ'l game)
3)**Subj/Topic:** Russian **Grades:** 6-12
Description: Game & reference program on Russian perfective pairs.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†MOI KLOP RU-4A (Educ'l game)
4)**Subj/Topic:** Russian **Grades:** 7-12
Description: Game & reference program on the Russian genitive case.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†PUSHKA RU-4B (Educ'l game)
5)**Subj/Topic:** Russian **Grades:** 7-12
Description: Game & reference program on the Russian dative case.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†POSADKA RU-5A (Educ'l game)
6)**Subj/Topic:** Russian **Grades:** 7-12
Description: Game & reference program on the Russian locative case.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†MA DACHE RU-5B (Educ'l game)
7)**Subj/Topic:** Russian **Grades:** 7-12
Description: Game & reference program on the Russian instrumental case.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†CHUDOVISHCHE RU-6A (Educ'l game)
8)**Subj/Topic:** Russian **Grades:** 7-12
Description: Game & reference program on Russian past tense formations.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†SUPER TOE RU-6B (Educ'l game)
9)**Subj/Topic:** Russian **Grades:** 7-12
Description: Game & reference program on the Russian future tense.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

EVERYDAY RUSSIAN (Tutorial)
10)**Subj/Topic:** Russian **Grades:** 9-12
Description: Intros wrds relatd to foods, eating places,signs & stores;also alphabet practice;in 2-prog Apple dsk pkg $29.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; TRS16K+t;Ap48K+d
Sce: Instant Software $14.95

BEGINNER'S RUSSIAN (Tutorial)
11)**Subj/Topic:** Russian **Grades:** 9-12
Description: Recog'n,pronunciat'n of Cyrilic alphabet; intros simple words;3prgs; w/ Everyday Russian on Apple disk $29.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; Ap48K+d;TRS16K+t
Sce: Instant Software $14.95
Rev's: PM Su80(+); IW 9/82(+)

†RUSSIAN DISK (Tutorial)
12)**Subj/Topic:** Russian **Grades:** 9-12
Description: Teaches Cyrillic alphabet & special phrases; beginners & everyday Russian.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Instant Software $29.95
Rev's: IW 9/82(+)

FOREIGN LANGUAGE: Spanish

†COUNTER (Skills pract)
13)**Subj/Topic:** Spanish **Grades:** K-3
Description: Learn to count to 15 in Spanish; displays objects, controllers required.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Prog Exchng $29.95

†SPANISH BASEBALL (Educ'l game)
14)**Subj/Topic:** Spanish **Grades:** 5-12
Description: Teaches vocabulary words w/ baseball game format; 2 levels; 200 words; user modifiable; incorrect answers rev'wd.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Computer Island $19.95
Rev's: RB 11/82

†LA CORRIDA DE TOROS (Educ'l game)
15)**Subj/Topic:** Spanish **Grades:** 6-9
Description: Hangman game format for learning Spanish.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Gessler Publishing $27.95

†POKER LISTO (Educ'l game)
16)**Subj/Topic:** Spanish **Grades:** 6-12
Description: Students review Spanish culture, grammar & vocab by means of cards dealt to each team or player.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk; Aplsft
Sce: Gessler Publishing $39.95

†SPANISH GRAMMAR II (Skills pract)
17)**Subj/Topic:** Spanish **Grades:** 6-9
Description: Review of imperfect vs. preterite in Spanish.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K+disk
Sce: Gessler Publishing $24.95

†SPANISH GRAMMAR I (Skills pract)
18)**Subj/Topic:** Spanish **Grades:** 6-9
Description: Review of ser vs. estar, por vs. para.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K+ disk
Sce: Gessler Publishing $32.95

†SPANISH GRAMMAR REVIEW PT6 (Skills pract)
19)**Subj/Topic:** Spanish **Grades:** 6-9
Description: Students review por vs para, use of definite articles, question words.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk; Aplsft
Sce: Gessler Publishing $33.95

†SPANISH GRAMMAR REVIEW PT7 (Skills pract)
20)**Subj/Topic:** Spanish **Grades:** 6-9
Description: Student reviews use and placement of direct and indirect object pronouns.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk; Aplsft
Sce: Gessler Publishing $27.95

†SPANISH GRAMMAR REVIEW PT5 (Skills pract)
21)**Subj/Topic:** Spanish **Grades:** 6-8
Description: Students review familiar and formal commands in the affirmative and negative.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk; Aplsft
Sce: Gessler Publishing $27.95

†SPANISH GRAMMAR REVIEW PT4 (Skills pract)
22)**Subj/Topic:** Spanish **Grades:** 9-12
Description: Stud't reviews subjunctive of reg & irreg verbs, subjunctive w/ noun, adjective & adverbial clauses.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk; Aplsft
Sce: Gessler Publishing $42.95

†SPANISH GRAMMAR REVIEW PT3 (Skills pract)
23)**Subj/Topic:** Spanish **Grades:** 6-9
Description: Students review future and conditional tenses of regular verbs.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk; Aplsft
Sce: Gessler Publishing $37.95

†SPANISH GRAMMAR REVIEW PT2 (Skills pract)
24)**Subj/Topic:** Spanish **Grades:** 6-9
Description: Stud't reviews preterite and imperfect of regular & irregular verbs, use of preterite vs. imperfect.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48L+dsk; Aplsft
Sce: Gessler Publishing $42.95

†SPANISH GRAMMAR REVIEW PT1 (Skills pract)
25)**Subj/Topic:** Spanish **Grades:** 6-8
Description: Program reviews present tense of regular & irregular verbs & ser vs. estar.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk; Aplsft
Sce: Gessler Publishing $33.95

†ANAGRAMAS HISPANOAMERICANO (Educ'l game)
26)**Subj/Topic:** Spanish **Grades:** 6-12
Description: Geography of So. & Central America, Mexico & Caribbean taught using color graphic map & anagrams.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk; Aplsft
Sce: Gessler Publishing $37.95

†SPANISH WORD ORDER (Skills pract)
27)**Subj/Topic:** Spanish **Grades:** 6-12
Description: Students practice sentence structure by rearranging scrambled words to form sentences.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk; Aplsft
Sce: Gessler Publishing $34.95

†SYNONYMS & ANTONYMS (Educ'l game)
28)**Subj/Topic:** Spanish **Grades:** 6-12
Description: Students review Spanish antonyms & synonyms via concentration game.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K+dsk
Sce: Gessler Publishing $29.95

†EL ATERRIZAJE SP-1A (Educ'l game)
29)**Subj/Topic:** Spanish **Grades:** 6-12
Description: Game & reference program on Spanish -ar verbs; present tense.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†EL TIRO AL BLANCO SP-1B (Educ'l game)
30)**Subj/Topic:** Spanish **Grades:** 6-12
Description: Game & reference program on Spanish gender and plurals.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†EL CASTILLO SP-2A (Educ'l game)
31)**Subj/Topic:** Spanish **Grades:** 6-12
Description: Game & reference program on present tense of Spanish -ar, -er, -ir verbs.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†EL COHETE SP-2B (Educ'l game)
32)**Subj/Topic:** Spanish **Grades:** 6-12
Description: Game & reference program on Spanish possessive & demonstrative adjectives.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DIS 3.3
Sce: Schoolhouse Softwe $55

† This is a new entry in THE SOFTWARE FINDER.

FOREIGN LANGUAGE: Spanish (CONT)

†LOS RICHOS SP-3A (Educ'l game)
1)**Subj/Topic:** Spanish **Grades:** 6-12
Description: Game & reference program on agreement of Spanish adjectives.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†EL SUBMARINO SP-3B (Educ'l game)
2)**Subj/Topic:** Spanish **Grades:** 6-12
Description: Game & reference program on Spanish estar, ser, hacer, ir & tener.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†CONVERSATIONAL SPANISH (Skills pract)
3)**Subj/Topic:** Spanish **Grades:** 6-14
Description: Spells out phrases with pictures while instructor pronounces phrases correctly; 5 cassettes & workbook.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Inc. $59.95

FOREIGN LANGUAGE: SPANISH (Rote drill)
4)**Subj/Topic:** Spanish **Grades:** 7-14
Description: A fun way to learn foreign languages; each disk includes over 800 entries ranging from easy to hard.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Sliwa Enterprises $30

PRACTICANDO ESPANOL (Rote drill)
5)**Subj/Topic:** Spanish **Grades:** 7-12
Description: Provides verb drills covering all tenses of Spanish verbs (except perf. subj., future & cond. perfects).
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K, DOS 3.2.1
Sce: Conduit $100
Rev's: JCR V1#1(+)

SPANISH SIRLOIN (Educ'l game)
6)**Subj/Topic:** Spanish **Grades:** 7-8
Description: Vocabulary & spelling game for the entire first-year Spanish class; English hints, sound & documents.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Curriculum Appl'ns $19.95

ALICIA BILING. SPANISH RDR (Skills pract)
7)**Subj/Topic:** Spanish **Grades:** 7-12
Description: Practice Spanish translation and spelling in bilingual translation of "Alice in Wonderland".
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: George Earl $29.95
Rev's: SMW W82(0); SMW Su82(0)

SPANISH HANGMAN (Educ'l game)
8)**Subj/Topic:** Spanish **Grades:** 7-12
Description: Practice Spanish in Hangman game format; 1600 words, 450 sentences.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: George Earl $29.95
Rev's: PM W81(+); SMW Su82(+); SMW W82(+)

%SPANISH (Rote drill)
9)**Subj/Topic:** Spanish **Grades:** 7-10
Description: Gives passive review & active drill on Spanish vocabulary and verb endings; vocab Span to Engl or vice versa.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Tycom Associates $19.95

†PRES SUBJUNCTIVE OF VERBS (Skills pract)
10)**Subj/Topic:** Spanish **Grades:** 7-9
Description: Student reviews present subjunctive of regular & irregular Spanish verbs.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K+ disk
Sce: Gessler Publishing $24.95

†LA TROMADA SP-4A (Educ'l game)
11)**Subj/Topic:** Spanish **Grades:** 7-12
Description: Game & reference program on Spanish antonyms.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†LA PISTA SP-4B (Educ'l game)
12)**Subj/Topic:** Spanish **Grades:** 7-12
Description: Game & reference program on Spanish present tense irregularities.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†EL ATAQUE SP-5A (Educ'l game)
13)**Subj/Topic:** Spanish **Grades:** 7-12
Description: Game & reference program on the Spanish preterit.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†SUPER TOE SP-5B (Educ'l game)
14)**Subj/Topic:** Spanish **Grades:** 7-12
Description: Game & refrence program on the Spanish imperfect.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Schoolhouse Softwe $55

†SPANISH VOCABULARY DRILL (Rote drill)
15)**Subj/Topic:** Spanish **Grades:** 7-12
Description: Practice learning Spanish to English vocabulary & vice versa; specific files can be entered & saved.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Compu-Tations $24.95

†GERMAN VOCABULARY DRILL (Rote drill)
16)**Subj/Topic:** Spanish **Grades:** 7-12
Description: Practice in German to English vocabulary & vise versa; 1982 vocabulary of the year award.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Compu-Tations $24.95

ASTRO WORD SEARCH: SPANISH (Skills pract)
17)**Subj/Topic:** Spanish **Grades:** 8-11
Description: Creates word search puzzles with Spanish words; reports student performance; Apple,Atari disk vers $23.95.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 16K;Ap+d;others+t
Sce: Program Design Inc $16.95
Rev's: PM Su81

LANGUAGE TEACHER - SPANISH (Rote drill)
18)**Subj/Topic:** Spanish **Grades:** 9-12
Description: Drills and tests on word combinations, conjugations, and phrases; Spanish to English and vice versa.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Acorn Software Prod $29.95

†SPANISH DRILL & PRACTICE (Rote drill)
19)**Subj/Topic:** Spanish **Grades:** 9-12
Description: 18 program set provides drill & practice for 1st & 2nd year Spanish student.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Mercer Systems $49.95

FOREIGN LANGUAGE: Hebrew

HEBREW II (Teacher aid)
20)**Subj/Topic:** Hebrew **Grades:** 4-12
Description: Prints Hebrew right-to-left, with vowels; can be used to label pictures & graphs, print on paper w/ any grafx ptr.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,prtr
Sce: Anthro-Digital $60

HEBREW II PLUS (Teacher aid)
21)**Subj/Topic:** Hebrew **Grades:** 4-12
Description: Prints on graphics printer & displays on screen both Hebrew & English characters together; with keyboard labels.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,prtr
Sce: Anthro-Digital $90

GUIDANCE

†STUDY (Teacher aid)
22)**Subj/Topic:** General **Grades:** 6-12
Description: STUDY (students & teachers understanding direct service to youth); a computer assisted program evaluation.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: David Lemire $10

†SCI FI (Simulation)
23)**Subj/Topic:** General **Grades:** 6-12
Description: A computer assisted problem solving program for improving discipline in schools.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: David Lemire $10

GUIDANCE: Career Inform'n

CAREER INFORMATION SYSTEM (Data retr'val)
24)**Subj/Topic:** Career Inform'n **Grades:** 7-12
Description: Retrieves from large local & national data base to help students find out about careers of interest;240 jobs.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Random House $375

†CAREER CHOICES (Computl tool)
25)**Subj/Topic:** Career Inform'n **Grades:** 7-14
Description: Computerized interest inventory; recommended career areas, computer printouts aval'ble on 300 spec'fc careers.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Hoffman Educ Syst $495

GUIDANCE: Psych Counsel'g

†FATE2 (Computl tool)
26)**Subj/Topic:** Psych Counsel'g **Grades:** 6-12
Description: FATE (formulating alternatives to enhance experience); a computer assisted decision making simulation.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: David Lemire $10

HEALTH

OUR BODIES (Tutorial)
27)**Subj/Topic:** General **Grades:** 1-3
Description: Simple approach to body systems & what they do, also to hygiene; incl game to check recall; disk version $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Right On Programs $13

WHAT'S IN YOUR LUNCH? (Concept demo)
28)**Subj/Topic:** General **Grades:** 4-12
Description: Interactive program giving user nutrient value of a list of food items; Atari & PET in disk also.
Syst(s): Apple Atari PET
Lang/Min Hdwre: BASIC; Ap48K+d;Atl6K/P8K
Sce: Lawr'nc Hall of Sc $25

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product.

HEALTH: General (CONT)

COUNTING CALORIES (Concept demo)
1)**Subj/Topic:** General **Grades:** 4-12
Description: Program computes calories/ portion for user-entered dessert recipe; updates for chgd ingred's; also on disk.
Syst(s): Apple Atari CBM PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $15.95 [pk111,2p]**

HOME SAFE HOME (Tutorial)
2)**Subj/Topic:** General **Grades:** 4-12
Description: Introduction to household hazards, e.g., fire, electric shock,falls, poison, etc. & their prevention; 4 disks.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $165
Rev's: POC 4/82(+); SMW Su82(+)

POISON PROOF YOUR HOME (Tutorial)
3)**Subj/Topic:** General **Grades:** 4-12
Description: Introduction to how may be poisoned, poison types, prevention, and what to do if someone poisoned; 5 disks.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $210
Rev's: SMW Su82(0)

†TEETH (Tutorial)
4)**Subj/Topic:** General **Grades:** 4-7
Description: Guides observations on animal skulls & child's own teeth; dental care emphasized; skull cards & guide incl.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K+d;TRS32K+t
Sce: Spectrum Software $38

†HEALTH & OUR BODIES (Tutorial)
5)**Subj/Topic:** General **Grades:** 4-6
Description: Provides in-depth study of workings & care of body systems, our reaction to daily living; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap16K+d;PET8K+t
Sce: Right On Programs $13

DIET (Data retr'val)
6)**Subj/Topic:** General **Grades:** 5-12
Description: Student enters physical and diet information; computer analyzes nutritional content.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap48K+d;T/P 16K+t
Sce: Compuware $24.95 [pk44,4p]**
Rev's: CC 12/81(0); TCT 12/81(0); SMW Su82(+)

%DIET (Data retr'val)
7)**Subj/Topic:** General **Grades:** 6-12
Description: Retrieves nutrient data to explore adequacy of student's diet; a Huntington II program.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Project LOCAL Soft $17.95 [pk2,6p]**

RATS (Simulation)
8)**Subj/Topic:** General **Grades:** 7-12
Description: Explore the use of slow and quick kill poisons and sanitation to eliminate a rat population.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap48K+d; P/T16K+t
Sce: Compuware $24.95 [pk44,4p]**
Rev's: TCT 12/81(0)

MALARIA (Simulation)
9)**Subj/Topic:** General **Grades:** 7-12
Description: Control malaria epidemic with medication, drugs, and pesticides; explore the various implications.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap48K+d; P/T16K+t
Sce: Compuware $24.95 [pk44,4p]**
Rev's: CC 10/80; TCT 12/81(0)

†EAT SMART (Data retr'val)
10)**Subj/Topic:** General **Grades:** 7-16
Description: Analyzes a day's diet in terms of RDAs for key nutrients; teachers guide, worksheets included.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Pillsbury Co. $19.75
Rev's: TCT 4/83

%RATS (Simulation)
11)**Subj/Topic:** General **Grades:** 8-12
Description: Student explores the control of a rat population in a city or an apartment building; a Huntington II program.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Project LOCAL Soft $17.95 [pk1,6p]**

%MALAR (Simulation)
12)**Subj/Topic:** General **Grades:** 8-12
Description: Student explores biological, social, political, economic, and ecological aspect of malaria epidemic control.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Project LOCAL Soft $17.95 [pk1,6p]**

†YOU'RE THE DOCTOR (Educ'l game)
13)**Subj/Topic:** General **Grades:** 9-12
Description: Stud't learns about medicine in simulation of medical diagnosis hi-res; talks.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Simulations Softwe $20
Rev's: IN 12/82(+)

HOME ECONOMICS

HOME SAFE HOME (Tutorial)
14)**Subj/Topic:** General **Grades:** 4-12
Description: Introduction to household hazards, e.g., fire, shock, falls, poison, etc. and their prevention; 4 disks.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $165
Rev's: POC 4/82(+); SMW Su82(+)

POISON PROOF YOUR HOME (Tutorial)
15)**Subj/Topic:** General **Grades:** 4-12
Description: Introduces how may be poisoned, poison types, prevention, & what to do if someone poisoned; 5 disks.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + tape
Sce: MCE $210
Rev's: SMW Su82(0)

†HOME HANDY HINTS (Tutorial)
16)**Subj/Topic:** General **Grades:** 6-12
Description: Helps teach childcare, energy efficiency, shopping, cooking, gas mile age, cleaning, temperature conversions.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K Mod 1/3 +tape
Sce: Modtec $14.83

HOME ECONOMICS: Consumerism

COMPARATIVE BUYING (Simulation)
17)**Subj/Topic:** Consumerism **Grades:** 2-7
Description: Provides learner with interactive experiences in determining items to purchase based on a number of variables.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $165

CASH VERSUS CREDIT BUYING (Concept demo)
18)**Subj/Topic:** Consumerism **Grades:** 6-12
Description: Analyzes cash/credit buying options; identifies common types of cash/ credit purchases.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $44.95

UNDERSTANDING SALES BUYING (Concept demo)
19)**Subj/Topic:** Consumerism **Grades:** 6-12
Description: Identifies major types of sales factors such as pricing, conditions of sales and impulse buying.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $44.95

BECOMING INFORMED SHOPPER (Concept demo)
20)**Subj/Topic:** Consumerism **Grades:** 6-12
Description: Provides info buyers need to arrive at judgements of quality; interactive experience available.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $44.95

BUYING WISELY (Concept demo)
21)**Subj/Topic:** Consumerism **Grades:** 6-12
Description: Intros & reinforces concepts of comparison buying; focuses on interaction of ideas.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $44.95

YOU CAN BANK ON IT (Tutorial)
22)**Subj/Topic:** Consumerism **Grades:** 6-12
Description: Instr'n & practice on bank'g concepts, including checking & saving services; suitable for special education.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $285
Rev's: SMW Su82(0)

INCOME MEETS EXPENSES (Tutorial)
23)**Subj/Topic:** Consumerism **Grades:** 6-12
Description: Comprehensive lessons regarding income as it relates to fixed and flexible expenses based on needs & wants.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $340
Rev's: SMW Su82(+)

MONEY MGT ASSESSM'T SERIES (Teacher aid)
24)**Subj/Topic:** Consumerism **Grades:** 6-12
Description: Assesses skills needed in learning money management; suitable for special education classes; 4 disks.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $165
Rev's: SMW Su82(0); IW 11/23/81(+)

COMPARISON SHOPPING (Computl tool)
25)**Subj/Topic:** Consumerism **Grades:** 7-12
Description: Performs cost analysis by store, item & selective shopping; calculates savings in $ & cents as well as pct.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comaldor $20

†DECISION MAKING (Tutorial)
26)**Subj/Topic:** Consumerism **Grades:** 7-14
Description: Learn a system for making rational decisions & how to apply process to consumer world; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†YOU AND INSURANCE (Tutorial)
27)**Subj/Topic:** Consumerism **Grades:** 9-14
Description: Learn about types of insurance, when & how to get it & most important, getting best coverage; disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†CREDIT (Tutorial)
28)**Subj/Topic:** Consumerism **Grades:** 9-14
Description: Learn how to establish & maintain credit so that when you need it you have it; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

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HOME ECONOMICS: Consumerism (CONT)

†MONEY (Tutorial)
1)**Subj/Topic:** Consumerism **Grades:** 9-14
Description: Learn to handle money more accurately & efficiently;study cash,chcks, charge cards,accounts,etc.;on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†ALL ABOUT INTEREST (Tutorial)
2)**Subj/Topic:** Consumerism **Grades:** 9-14
Description: When one borrows, lends or puts money in bank, interest affects value of one's money; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†UNDERSTANDING LABELS (Tutorial)
3)**Subj/Topic:** Consumerism **Grades:** 9-14
Description: Learn to understand the importance of reading & understanding a consumer label; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†HOW TO FINANCE A CAR (Tutorial)
4)**Subj/Topic:** Consumerism **Grades:** 9-14
Description: Learn about wholesale vs retail price, depreciation, resale value, & cash vs credit card buying;on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†LAWS FOR CONSUMERS (Tutorial)
5)**Subj/Topic:** Consumerism **Grades:** 9-14
Description: Know your consumer rights; seller now beware of claims, naming ingredients,pric'g & fair trade;on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†CONSUMER FRAUD (Tutorial)
6)**Subj/Topic:** Consumerism **Grades:** 9-14
Description: Consumer fraud is one of today's biggest problems; learn about what you can do about it; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†CONSUMER HELP (Tutorial)
7)**Subj/Topic:** Consumerism **Grades:** 9-14
Description: Have you ever felt cheated? This program teaches when, where, & how to get help; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†TIPS ON BUYING A USED CAR (Tutorial)
8)**Subj/Topic:** Consumerism **Grades:** 9-14
Description: Helps student become a knowledgeable car buyer by learning what to look for & how to find it; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†READING AN ADVERTISEMENT (Tutorial)
9)**Subj/Topic:** Consumerism **Grades:** 9-14
Description: Student learns the art,skill and psychology of selling, so he/she can sell any idea or object; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†CONSUMERISM AND YOU (Tutorial)
10)**Subj/Topic:** Consumerism **Grades:** 9-14
Description: Learn when/where to buy,bargaining, quantity buying, etc; shows need to think and analyze; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†SHOPP'G IN COMPARATIVE WAY (Tutorial)
11)**Subj/Topic:** Consumerism **Grades:** 9-14
Description: Prices on some items often vary, or 2 items may look alike but vary in quality; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

%ELECTRICAL USE (Computl tool)
12)**Subj/Topic:** Consumerism **Grades:** 11-12
Description: Computes actual cost of using each electrical appliance in the home.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Basics & Beyond $24.95 [pk15,20p]**

HOME ECONOMICS: Foods

WHAT'S IN YOUR LUNCH? (Concept demo)
13)**Subj/Topic:** Foods **Grades:** 4-12
Description: Interactive program giving user nutrient value of a list of food item; Atari & PET disk also.
Syst(s): Apple Atari PET
Lang/Min Hdwre: BASIC; Ap48K+d;At16K/P8K
Sce: Lawr'nc Hall of Sc $25

COUNTING CALORIES (Concept demo)
14)**Subj/Topic:** Foods **Grades:** 4-12
Description: Calculates calories/portion for user-entered dessert recipe; computes effect of chgd ingred's; also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk111,2p]**

DIET (Data retr'val)
15)**Subj/Topic:** Foods **Grades:** 5-12
Description: Student enters physical and diet information; computer analyzes nutritional content.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap48K+d; P/T16K+t
Sce: Compuware $24.95 [pk44,4p]**
Rev's: CC 12/81(0); TCT 12/81(0); SMW Su82(+)

%DIET (Data retr'val)
16)**Subj/Topic:** Foods **Grades:** 6-12
Description: Retrieves nutrient data to explore adquacy of student's diet; a Huntington II program.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Project LOCAL Soft $17.95 [pk2,6p]**

FOOD GROUPS (Rote drill)
17)**Subj/Topic:** Foods **Grades:** 7-10
Description: Instructional drill on basic foods & which groups they belong to.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Comm*Data Comp Hse $9.95

†EAT SMART (Data retr'val)
18)**Subj/Topic:** Foods **Grades:** 7-16
Description: Analyzes a day's diet in terms of RDAs for key nutrients; teacher's guide, worksheets included.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Pillsbury Co. $19.75
Rev's: TCT 4/83

†EATING FOR GOOD HEALTH (Tutorial)
19)**Subj/Topic:** Foods **Grades:** 7-14
Description: Learn about nutrition, knowing about new foods,how to eat as a single person & balancing intake; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

NUTRICHEC 2.0 (Data retr'val)
20)**Subj/Topic:** Foods **Grades:** 9-12
Description: Retrieves from 748-food data base to give detailed analysis of nutritional qual of person's diet; adaptable.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+DOS3.3,Aplsft
Sce: WIMS Consulting $59.95

HOME ECONOMICS: Personal Devel

†FRIENDS AND YOU (Tutorial)
21)**Subj/Topic:** Personal Devel **Grades:** 7-12
Description: What makes someone popular? Look at attitudes, feelings & ideas to assess relationships; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†THE AGE OF RESPONSIBILITY (Tutorial)
22)**Subj/Topic:** Personal Devel **Grades:** 7-12
Description: Rights & privileges come with age of responsibility: voting,driving drinking & many others; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†SUCCEEDING (Tutorial)
23)**Subj/Topic:** Personal Devel **Grades:** 7-14
Description: Explore examples of people who have coped with & used their handicaps to advantage; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†ARREST (Tutorial)
24)**Subj/Topic:** Personal Devel **Grades:** 9-14
Description: This program presents a real arrest situation to student, having him try to cope & see potential effects.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2or 3.3
Sce: Aquarius Publish's $34.95

†DEATH (Tutorial)
25)**Subj/Topic:** Personal Devel **Grades:** 9-14
Description: Stages of death & dying presented to student; explores various options of coping & potential effects.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2or 3.3
Sce: Aquarius Publish's $34.95

†VIOLATED CONSUMER RIGHTS (Simulation)
26)**Subj/Topic:** Personal Devel **Grades:** 9-14
Description: Object of simulation is to identify how & why consumer rights have been violated,try to restore one's rights.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2or 3.3
Sce: Aquarius Publish's $34.95

†INVOLVED IN AN ACCIDENT (Simulation)
27)**Subj/Topic:** Personal Devel **Grades:** 9-14
Description: The object in this simulat'n is to deal with having been in accident; identify what must be done,by whom & when.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2or 3.3
Sce: Aquarius Publish's $34.95

†BEING FIRED (Tutorial)
28)**Subj/Topic:** Personal Devel **Grades:** 9-14
Description: Can you avoid being fired? Could you handle the situation? Study coping with employee-employer relationships.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2or 3.3
Sce: Aquarius Publish's $34.95

INDUSTRIAL ARTS

SUNSIM-4 (Simulation)
29)**Subj/Topic:** General **Grades:** 9-12
Description: Calculates solar energy hrly & demonstrates use for space heating,cooling & hot water heating for any location.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 16K+tape;32K+disk
Sce: Solartek $59
Rev's: PM W80(+)

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

INDUSTRIAL ARTS: Drafting

†MICROMETER (Skills pract)
1)**Subj/Topic:** Drafting **Grades:** 7-14
Description: Picture of micrometer is drawn with marking on thimble & interval on sleeve; student determines reading.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.3
Sce: Minn Ed Comp Consrt $30 [pkl27,5p]**
Rev's: JRM V1(+)

INDUSTRIAL ARTS: El-trnics/trcty

ELECTRONICS (Skills pract)
2)**Subj/Topic:** El-trnics/trcty **Grades:** 9-12
Description: Practice solving Ohm's Law problems for series and parallel circuits displayed graphically.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

PARALLEL CIRCUITS I (Skills pract)
3)**Subj/Topic:** El-trnics/trcty **Grades:** 9-12
Description: Covers resistance, voltage, power in 3-resistor parallel circuit; gives dialog or quizzes.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K;Apl6K+t,ptr
Sce: Microphys $20

SERIES CIRCUITS (Skills pract)
4)**Subj/Topic:** El-trnics/trcty **Grades:** 9-12
Description: Covers resistance, voltage, power in 3-resistor series circuit; gives dialog or quizzes.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

†MENTOR (Teacher aid)
5)**Subj/Topic:** El-trnics/trcty **Grades:** 9-12
Description: Instructor's aid to be used in conjunction with texts; AC,DC, filters; transistors & misc formulas.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Korsmeyer Elect Des $124.95

†RESISTORS (Skills pract)
6)**Subj/Topic:** El-trnics/trcty **Grades:** 9-14
Description: Teaches or reviews electronic resistor color codes; random color pattern; computer corrects wrong responses.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; 16K + disk
Sce: McKilligan Corp $35

CAPACITOR (Skills pract)
7)**Subj/Topic:** El-trnics/trcty **Grades:** 10-12
Description: Pract finding capacitance, given charge, voltage; gives hints & remedial help; has calc funct;on dsk $14.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Classic Soft Prods $9.95

INDUCTION (Skills pract)
8)**Subj/Topic:** El-trnics/trcty **Grades:** 10-12
Description: Pract finding voltage induced by given flux change; gives hints, remedial help; has calc funct;on dsk $14.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Classic Soft Prods $9.95

OHM'S LAW (Skills pract)
9)**Subj/Topic:** El-trnics/trcty **Grades:** 10-12
Description: Practice finding voltage in series-parallel circuit; gives hints & remedial help; has calc funct;on dsk $14.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Classic Soft Prods $9.95

SERIES/PARAL'L CIRC ANAL'S (Skills pract)
10)**Subj/Topic:** El-trnics/trcty **Grades:**10-12
Description: Quest's on analyz'g circuit having 1 resistor in series with 2 in parallel; gives dialog or scored exer sheets.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Appl6K+tape
Sce: Microphys $20

INDUSTRIAL ARTS: Woodworking

†RAFTER (Computl tool)
11)**Subj/Topic:** Woodworking **Grades:** 7-14
Description: Assists in calculation in preparing rafters for building; user must supply vital information.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.3
Sce: Minn Ed Comp Consrt $30 [pkl27,5p]**
Rev's: JRM V1(0)

†STAIRS (Computl tool)
12)**Subj/Topic:** Woodworking **Grades:** 7-14
Description: Serves as calculator & provides selected info to build stairs; must supply info on rise & run of stairs.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.3
Sce: Minn Ed Comp Consrt $30 [pkl27,5p]**
Rev's: JRM V1(+)

LIBRARY SKILLS

†LEARN ABOUT CATALOG CARDS (Tutorial)
13)**Subj/Topic:** General **Grades:** 2-6
Description: Question & answer format to teach about actual catalog card on screen; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†LEARN TO UNDSTAND CARD CAT (Tutorial)
14)**Subj/Topic:** General **Grades:** 2-6
Description: Explains 3 ways to look up book in card catalog; questions follow; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†ADVANCD DEWEY DECIMAL SYST (Tutorial)
15)**Subj/Topic:** General **Grades:** 2-6
Description: Teaches how numbering system works using sports section as example; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†USING REF TBLES IN ALMANAC (Tutorial)
16)**Subj/Topic:** General **Grades:** 2-6
Description: Shows several countries with data; asks questions on size etc; game fol lows on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†BASIC FICTION SKILLS (Tutorial)
17)**Subj/Topic:** General **Grades:** 2-6
Description: Explains basic principles of shelving fiction; meaning of fiction & spine letters on books; game; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†BIOGRAPHIES (Tutorial)
18)**Subj/Topic:** General **Grades:** 2-6
Description: Teaches locating biographies in lib; spine markings, proper shelves & location covered; w/ game; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

LEARN TO LOCATE BOOKS (Tutorial)
19)**Subj/Topic:** General **Grades:** 2-6
Description: Explains different ways books are shelved, fiction/nonfiction spine markings & how to find books.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K + tape/disk
Sce: Right On Programs $15

LEARNING TO USE AN INDEX (Educ'l game)
20)**Subj/Topic:** General **Grades:** 2-6
Description: Sample index on screen; questions asked, correct answers brings clues to winning game; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K + tape/disk
Sce: Right On Programs $13

MEDIA SKILLS (Tutorial)
21)**Subj/Topic:** General **Grades:** 5-8
Description: Provides instruction & practice in using card catalog; lessons include info about Dewey Decimal System.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: T.I.E.S. $84.95

†DIG OUT THE FACTS I & II (Tutorial)
22)**Subj/Topic:** General **Grades:** 7-12
Description: Describes common reference materials & how to use them; encourages independence in reference skills.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3/3.2
Sce: Ctr-Educ'l E.D.E. $90

AUDIO-VISUAL EQUIPMENT (Skills pract)
23)**Subj/Topic:** General **Grades:** 8-12
Description: 5 lessons familiarize stud't with the Apple computer & with filmstrip, slide,opaque,overhead,&16mm film projctrs.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Avant Garde Creatns $29.95

BOOK CLASSES (Tutorial)
24)**Subj/Topic:** Library Skills **Grades:** 3-6
Description: Info on types of fiction & non-fict'n,using titles,library nos,classification of magazines, general reference.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2/3.3
Sce: BLS/Random House $60

DISCOVERING BOOKS (Tutorial)
25)**Subj/Topic:** Library Skills **Grades:** 3-6
Description: Info on book's cover, spine, title page, copyright, what reference book is, table of contents;with summary & test.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.3/3.2
Sce: BLS/Random House $60

LIBRARY SKILLS (Tutorial)
26)**Subj/Topic:** Library Skills **Grades:** 4-12
Description: Introduces what's in the library & how to find it; gives practice & mastery quiz on concepts presented.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Micro Power & Light $24.95
Rev's: TCT V8#7(-); MSN 10/81(-); SMW W82(+)

MAKING AN OUTLINE (Skills pract)
27)**Subj/Topic:** Library Skills **Grades:** 4-9
Description: Student finishes outline for article given by computer; reports student performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

LIBRARY TERMS (Skills pract)
28)**Subj/Topic:** Library Skills **Grades:** 4-8
Description: Drill on identifying the meanings of 16 library terms; reports student performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

† This is a new entry in THE SOFTWARE FINDER. ** See Intro. and Sect. II-3.

LIBRARY SKILLS (CONT)

PUT'G BOOKS IN ALPHA SEQNC (Tutorial)
1)**Subj/Topic:** Library Skills **Grades:** 4-9
Description: Introduces library rules for arranging fiction books; practice on alphabetiz'g list of books; reports perf'nc.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

COMP. ASSIST. LIBRARY INST (Tutorial)
2)**Subj/Topic:** Library Skills **Grades:** 7-12
Description: Series of tutorials explaining specific library reference works, such as periodical indexes, almanacs, etc.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.3
Sce: CALICO $25

MATHEMATICS

PYTHGORAS AND THE DRAGON (Educ'l game)
3)**Subj/Topic:** General **Grades:** 3-12
Description: Fantasy game; player gets clues based on speed & accuracy in doing math problems; incl arithmet thru algebra.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; 32K + tape
Sce: Krell Software $39.95
Rev's: SMW Su82(-)

MUMATH/MUSIMP-80 (Computl tool)
4)**Subj/Topic:** General **Grades:** 6-12
Description: A symbolic math package that performs algebra,trig,calculus,differential integr'n & transcendental functions.
Syst(s): Apple TRS-80 CP/M
Lang/Min Hdwre: Author; 48K+d;CP/M as nec
Sce: Microsoft $250
Rev's: TCT 12/81(+)

†**MATH SPEED TUTOR** (Skills pract)
5)**Subj/Topic:** General **Grades:** 7-12
Description: Simple math & algebra are randomly selected; unknown variables provide an added challenge.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Aquarius Publish's $14.95

MATHEMATICS: Basic Skills

VISDIC (Skills pract)
6)**Subj/Topic:** Basic Skills **Grades:** K-4
Description: Four geometric shapes are shown; student must choose the one that is different.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $20

MATPIE (Skills pract)
7)**Subj/Topic:** Basic Skills **Grades:** K-3
Description: The pupil must pick the missing part that will complete a partial rectangle that is shown.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $10

%**ODD SHAPE OUT** (Educ'l game)
8)**Subj/Topic:** Basic Skills **Grades:** 1-12
Description: Player must identify which of 4 shapes is not like other 3 in time allowed; several difficulty levels.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Basics & Beyond $14.95 [pkl19,3p]**

SHAPES (Rote drill)
9)**Subj/Topic:** Basic Skills **Grades:** 2-5
Description: Student learns to identify 6 shapes. Shapes and name are shown. Shapes shown, pick right name.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Comm*Data Comp Hse $9.95

Multiple Topics

SPACE WASTE RACE (Educ'l game)
10)**Subj/Topic:** Multiple Topics **Grades:** K-3
Description: Computerized storybook with activities: number-alphabet order, count'g up/down/left/right/over/under;32K+d$24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Storybks of Future $19.95
Rev's: EC V2#4(+); PT 7-8/82(+); CCN V3#1(0)

EDUFUN! MATHFUN! (Educ'l game)
11)**Subj/Topic:** Multiple Topics **Grades:** K-8
Description: Educat'l games giving both extra pract in key math skills & enrichm't experiences; 2 games/pkg; dsk vers $39.95.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+tape or disk
Sce: Milliken Publish'g $34.95

†**EARLY GAMES/YOUNG CHILDREN** (Educ'l game)
12)**Subj/Topic:** Multiple Topics **Grades:** K-2
Description: 9 games give practice on 4 basic arith operations, comparing shapes, drawing, spelling names.
Syst(s): Apple Atari TRS-80 VIC-20
Lang/Min Hdwre: BASIC; 48K+d;16K+t
Sce: Univ of Waterloo $29.95

MATH SEQUENCES (Skills pract)
13)**Subj/Topic:** Multiple Topics **Grades:** 1-6
Description: Pract no. readiness, 4 arith ops & laws,integers,fract'ns, dec'ls, %'s, equat's,etc; gives help; auto promotion.
Syst(s): PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/TRS16K+t
Sce: Milliken Publish'g $200
Rev's: TCT 4/82(+); JCR V1(+); ER 81(+)

EDUCATIONAL PACKAGE III (Rote drill)
14)**Subj/Topic:** Multiple Topics **Grades:** 1-4
Description: Series of 5 programs: Temperature Reading, No. Reading, Money Counting, Number Comparisons, & Change Maker.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Micro Learningware $24.95

MATH ASSESSM'T/PRESCRIPTIV (Skills pract)
15)**Subj/Topic:** Multiple Topics **Grades:** 1-7
Description: Assesses math skills, grades 1-7 & gives practice with remedial help; records/reports perf;grade level pkg $130.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Readers Digest $876
Rev's: EL 9/82(+)

COMPUTER MATH GAMES (Educ'l game)
16)**Subj/Topic:** Multiple Topics **Grades:** 1-9
Description: Fact reinforcement, skill practice,problem-solving; 7 vols., each w/ games disk (w/ backup),masters; $15 each.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K,DOS3.3,Aplsft
Sce: Addison-Wesley $54

COMPUTER MATH ACTIVITIES (Educ'l game)
17)**Subj/Topic:** Multiple Topics **Grades:** 1-9
Description: Fact reinforcement, skills pract, problem-solving; 5 vols., each with game dsk (w/ backup),masters; ea vol $15.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+DOS3.3,Aplsft
Sce: Addison-Wesley $54

PET PROFESSOR (Tutorial)
18)**Subj/Topic:** Multiple Topics **Grades:** 1-8
Description: Step-by-step instruc'n,drill & tests in 77 arith prog's; whole numbers, fractions, decimals; stud't mgt pkg $150.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Cow Bay Comput'g $499

MATH WARS (Educ'l game)
19)**Subj/Topic:** Multiple Topics **Grades:** 1-10
Description: Excitng multiple player arcade game, makes math fun; covers 36 skill levels from addition to decimals.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+ disk
Sce: SouthWest EdPsych $39.95

MATH SEQUENCES (Skills pract)
20)**Subj/Topic:** Multiple Topics **Grades:** 1-8
Description: Pract no. readiness, 4 arith ops & laws,integers,fract'ns, dec'ls, %'s, equat's,etc;gives help;auto promo,mgt sys.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Milliken Publish'g $450
Rev's: JCR V1(+); ER 81(+); TCT 4/82(+)

CDI MATH LEVEL A (Skills pract)
21)**Subj/Topic:** Multiple Topics **Grades:** 1-2
Description: Numeration, addition & subtraction; does placement, practice, help & homework; records, reports performance.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; Ap48K,At40K;d,ptr
Sce: Sci Research Assoc $365
Rev's: ER 81(+)

CLASSROOM MGT SYST MATH A (Teacher aid)
22)**Subj/Topic:** Multiple Topics **Grades:** 1-3
Description: Instruct'l management for most grade 1-3 math skills; does survey & probe tests,prescript'n,store/report perf.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; Ap48K,At32K;d,ptr
Sce: Sci Research Assoc $565

†**MATH SKILLS-ELEM. LEVEL** (Skills pract)
23)**Subj/Topic:** Multiple Topics **Grades:** 1-6
Description: Enhanced drill & pract. in four basic operations on whole nos; also fractions & decimals; back up $25.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K, 3.3 DOS
Sce: Encyclopedia Britt $74

†**ARITHMETIC CLASSROOM-GAMES** (Educ'l game)
24)**Subj/Topic:** Multiple Topics **Grades:** 1-8
Description: Slam Dunk, Space War & Gong Show motivate & improve skills in 4 basic math ops & in handling fractions.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Sterling Swift $29.95
Rev's: CTG V3#1(+)

ESSENTIAL MATH - LEVEL 5 (Skills pract)
25)**Subj/Topic:** Multiple Topics **Grades:** 5
Description: 70 lessons in 4 basic ops, fractions, no. concepts, decimals; lesson end activities. Disk version $99.50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; ModI/III+tape
Sce: Bertamax $99.50

ESSENTIAL MATH - LEVEL 2 (Skills pract)
26)**Subj/Topic:** Multiple Topics **Grades:** 2
Description: 30 lessons in addn,subtr, & numeration; end of lesson activities; immed reinforc't. On dsk: Ap$56.80 TRS49.80.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; TRS16K+t;Ap32K+d
Sce: Bertamax $.595

GENERAL ELEMENTARY (Skills pract)
27)**Subj/Topic:** Multiple Topics **Grades:** 2-6
Description: 10 elementary programs on 1 disk, covering spelling, math, Roman numerals, fractions, etc.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Compu-Tations $24.95

†**MATH BLASTER** (Educ'l game)
28)**Subj/Topic:** Multiple Topics **Grades:** 2-7
Description: Student practices add'tn, subtr'n, multip'n, division, fraction & decimal operations w/ arcade game format.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Davidson & Assoc $49.95

ESSENTIAL MATH - LEVEL 3 (Skills pract)
29)**Subj/Topic:** Multiple Topics **Grades:** 3
Description: 50 lessons in 4 basic ops & fractions; activities at end ea lesson; highly interactive; disk version $87.50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; ModI/III+tape
Sce: Bertamax $97.50

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

MATHEMATICS: Multiple Topics (CONT)

CREATIVE PLAY:PROB SOLVING (Educ'l game)
1)**Subj/Topic:** Multiple Topics **Grades:** 3-6
Description: Teacher's guide & disk with 25 prog's to introduce children to computers & to problem solving techniques.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap48K+dsk;PET8K+t
Sce: Lawr'nc Hall of Sc $47.95
Rev's: LNG V2#5

CDI MATH LEVEL B (Skills pract)
2)**Subj/Topic:** Multiple Topics **Grades:** 3-4
Description: Numerat'n,4 arith ops,fractions; does placement, pract, help, homework;stores/repts perf;also unmanagd vers.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; Ap48K,At40K;d,ptr
Sce: Sci Research Assoc $495
Rev's: ER 81(+)

BASIC MATH SKILL SERIES (Tutorial)
3)**Subj/Topic:** Multiple Topics **Grades:** 3-12
Description: 18 drill & 18 instr'n prog's match'g Pt 1,Fla Functional Literacy Test; Spanish version available; on disk $95.50.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Hugh Ward $115.50

ESSENTIAL MATH - LEVEL 4 (Skills pract)
4)**Subj/Topic:** Multiple Topics **Grades:** 4
Description: 65 lessons in 4 basic ops, fractions, no. concepts, decimals; lesson-end activities. Disk version $87.50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; Mod I/III+tape
Sce: Bertamax $97.50

ESTIMATE (Skills pract)
5)**Subj/Topic:** Multiple Topics **Grades:** 4-8
Description: Practice estimating answers to problems in addition, subtraction, multiplication, division & percents.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk36,6p]**

DECIMAL CONCEPTS/OPERAT'NS (Tutorial)
6)**Subj/Topic:** Multiple Topics **Grades:** 4-8
Description: Complete computer instructions, record keeping; all operations, geometry, metric system,scientific notation.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Math City/Mathware $59

CLASSROOM MGT SYST MATH B (Teacher aid)
7)**Subj/Topic:** Multiple Topics **Grades:** 4-8
Description: Instruct'l management for most grade 4-8 math skills; does survey & probe tests, prescript'n,store/reprt perf.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; Ap48K,At32K;d,ptr
Sce: Sci Research Assoc $640
Rev's: CPR 12/80; CC 10/81(+); CCS 82(0)

PROBLEM SOLVING STRATEGIES (Skills pract)
8)**Subj/Topic:** Multiple Topics **Grades:** 5-9
Description: Teaches solut'n of math word problems using graph'g,tables,creative no. lines,Venn & tree diag's;mid&jr hi ver's.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Readers Digest $174.96

CDI MATH LEVEL C (Skills pract)
9)**Subj/Topic:** Multiple Topics **Grades:** 5-6
Description: Numerat'n,4 arith ops,fracs, dec'ls; does placement,pract,help,homewk, promot'n,recds,repts; unmanagd vers avail.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; Ap48K,At40K;d,ptr
Sce: Sci Research Assoc $575
Rev's: ER 81(+)

†MATH SKILLS-JR HIGH LEVEL (Skills pract)
10)**Subj/Topic:** Multiple Topics **Grades:** 5-10
Description: Enhanced drill & practice 4 ratios, percents, proportion, graphs, estimating & measuring; w/ BkUpDsk, $25.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K, 3.3 DOS
Sce: Encyclopedia Britt $74

ESSENTIAL MATH - LEVEL 6 (Skills pract)
11)**Subj/Topic:** Multiple Topics **Grades:** 6
Description: 70 lessons in 4 basic ops, no. concepts,fractions,decimals; lesson-end activities; disk version $99.50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; ModI/III+tape
Sce: Bertamax $109.50

SKEEBALL (Educ'l game)
12)**Subj/Topic:** Multiple Topics **Grades:** 6-12
Description: Tutorial game with animation, sound, timing, scoring, difficulty selection for math estimation.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + tape
Sce: Meta-Designed Soft $9.95

RATIOS, % & NEG. INTEGERS (Tutorial)
13)**Subj/Topic:** Multiple Topics **Grades:** 6-8
Description: Complete computer instructions, record keeping; interest & discounts, graphs, square roots, geometry.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Math City/Mathware $59

†BASIC MATH COMPETENCY DRIL (Skills pract)
14)**Subj/Topic:** Multiple Topics **Grades:** 6-9
Description: Gives practice on fractions, decimals, basic operations, tables & percent; graphics reinforce drill; dsk $ 203.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; 16K+t; 32K + disk
Sce: Educat'l Activit's $173

MICROMATH (Skills pract)
15)**Subj/Topic:** Multiple Topics **Grades:** 6-12
Description: Individualized review math course; covers signed numbers through quadratic equations; 93 lessons.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Sheridan College $500

†TEAM WORK:WRLD AR US, MATH (Educ'l game)
16)**Subj/Topic:** Multiple Topics **Grades:** 7-12
Description: 2 teams of 4 stud'ts cooperate to solve mathematical concepts presented; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d
Sce: Edupro $19.95

MATCH (Computl tool)
17)**Subj/Topic:** Multiple Topics **Grades:** 7-12
Description: Teacher controlled; supplying unlimited number of computation & word problems; includes 5 disks.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + disk
Sce: McGraw-Hill (Gregg) $350

GRAPHS & MEAN,MEDIAN,MODE (Skills pract)
18)**Subj/Topic:** Multiple Topics **Grades:** 7-10
Description: Practice reading graphs and finding mean, median & mode; graphics reinforcers; multiple difficulty levels.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Educat'l Activit's $15.95
Rev's: JRM V1(+)

ESSENTIAL MATH PROGRAM II (Skills pract)
19)**Subj/Topic:** Multiple Topics **Grades:** 7-12
Description: (26-1719) Skill bldg exer's in fractions,decimals,percents & pre-algebra concepts; includes placement option.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Radio Shack $199
Rev's: SMW W83(+)

HIGH SCHL MATH COMPETENCY (Skills pract)
20)**Subj/Topic:** Multiple Topics **Grades:** 9-12
Description: Practice & remediation in all areas of math from arithmetic through geometry & statistics; 14 subprograms.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Micrcomp Workshops $99

Arithmetic

†MATH HUNT:ADDTN/SUBTRACTN (Educ'l game)
21)**Subj/Topic:** Arithmetic **Grades:** K-3
Description: 4 stud'ts work cooperatively or competitively to solve addition or subtraction problems; on disk $29.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d
Sce: Edupro $19.95

†MATH RACE:ADD'TN/SUBTRAC'N (Educ'l game)
22)**Subj/Topic:** Arithmetic **Grades:** K-3
Description: 8 students together solve races in their own tracks that fill with add'tn & subtr'ctn problems; disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;padls
Sce: Edupro $19.95

†TEAM WORK: MATHEMATICS (Educ'l game)
23)**Subj/Topic:** Arithmetic **Grades:** K-3
Description: 2 teams of 4 stud'ts work cooperatively to find mathemat'l examples that solve their puzzle; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d
Sce: Edupro $19.95

†MICRO SUBTRACTION (Skills pract)
24)**Subj/Topic:** Arithmetic **Grades:** K-4
Description: Practice counting & subtraction skills with whole nos; animated graphics; audio reinforcements.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Hayden Book Co. $29.95

BETTER VIEW A ZOO (Educ'l game)
25)**Subj/Topic:** Arithmetic **Grades:** K-3
Description: Computerized storybook with activities & games; number, letter, alphabet, grouping, strategy & video games.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Monument Comp Serv $24.95
Rev's: CRC V1#1(+)

†MICRO ADDITION (Skills pract)
26)**Subj/Topic:** Arithmetic **Grades:** K-4
Description: Practice counting & addition skills with whole numbers; animated graphics; auditory reinforcements.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+ disk
Sce: Hayden Book Co. $29.95

NUMBERS I (Rote drill)
27)**Subj/Topic:** Arithmetic **Grades:** K-1
Description: Student asks for number; it is displayed on screen & corresponding number of figures are shown.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comm*Data Comp Hse $9.95

†MICRO MULTIPLICATION (Skills pract)
28)**Subj/Topic:** Arithmetic **Grades:** K-4
Description: Pract counting & multiplication with whole numbers; animated graphics; uditory reinforcements.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+ disk
Sce: Hayden Book Co. $29.95

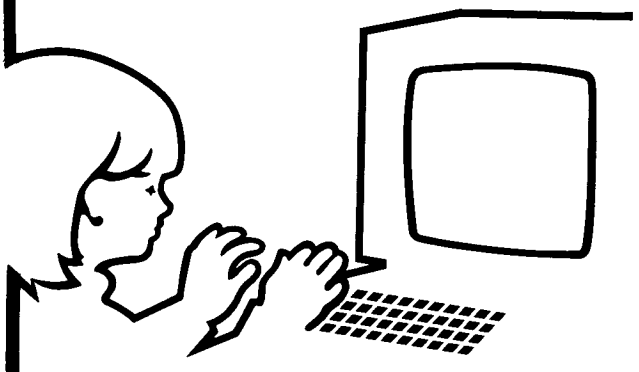
ESSENTIAL MATH - LEVEL 1 (Skills pract)
29)**Subj/Topic:** Arithmetic **Grades:** K-1
Description: 30 lessons in addn,subtrn & number concepts; user may display counting aids on screen. Disk: Ap $56.80;TRS$49.80.
Syst(s): Apple
Lang/Min Hdwre: BASIC; TRS16K+t; Ap32K+d
Sce: Bertamax $59.50

†MICRO DIVISION (Skills pract)
30)**Subj/Topic:** Arithmetic **Grades:** K-4
Description: Practice counting & division skills with whole numbers; animated graphics; auditory reinforcements.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+ disk
Sce: Hayden Book Co. $29.95

† This is a new entry in THE SOFTWARE FINDER. ** See Intro. and Sect. II-3.

Challenge a Child With PLANES

The Fascinating New Computer Math Game



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PLANES is designed for Apple™ II plus 48k with disk drive
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MATHEMATICS: Arithmetic (CONT)

ADD'N & SUBTR'N WHOLE NOS (Tutorial)
1)**Subj/Topic:** Arithmetic **Grades:** K-3
Description: Intros concepts by graphics & examples, has test questions; improves basic skills; disk version $67.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Orange Cherry Med $56

†TEN LITTLE ROBOTS (Skills pract)
2)**Subj/Topic:** Arithmetic **Grades:** K-1
Description: Exercise in counting; teaches concept of subtraction; entertaining rhymes.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 48k + disk
Sce: Comp Lrg Ctr Child $24.95

BEGINNING MATH CONCEPTS (Educ'l game)
3)**Subj/Topic:** Arithmetic **Grades:** K-3
Description: Covers number concepts thru drill & activities; choice of levels; games disguise drill; disk version $67.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Orange Cherry Med $56

†INTRO 2 ADDITION/SUBTR'CTN (Skills pract)
4)**Subj/Topic:** Arithmetic **Grades:** K-4
Description: Student practice, choice of addition or subtraction; 3 levels of difficulty.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Concept Educ'l Sft $30

SIGMA-EX (Educ'l game)
5)**Subj/Topic:** Arithmetic **Grades:** K-5
Description: Addition drill for random one digit problems based on a hockey game format for the slow learner.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Mercer Systems $5.95

COUNT AND ADD (Concept demo)
6)**Subj/Topic:** Arithmetic **Grades:** K-2
Description: 4 programs using hi-res graphics, color & sound to demonstrate counting & addition; disk version $19.95.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+tape,Aplsoft
Sce: Edu-Soft $14.95

THE MATH MACHINE (Skills pract)
7)**Subj/Topic:** Arithmetic **Grades:** K-6
Description: Pract in pre-math & 4 basic ops; fun color grafx & sound; game reincers; 29 skill levels; recrds/reprts perf.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: SouthWest EdPsych $79.95
Rev's: SMW W82(+); TCT 12/81(+); JRM V1(+)

K-8 MATH PROGRAM VOL. I (Skills pract)
8)**Subj/Topic:** Arithmetic **Grades:** K-8
Description: (26-1716) Pract on 4 basic arithmetic operations; has diagnostic and mastery testing; 10 programs, 5 cassettes.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Radio Shack $199
Rev's: ER 81(+); EL 9/82(+); 80M 2/81(+)

K-8 MATH W/ STUD'T MANAG'T (Skills pract)
9)**Subj/Topic:** Arithmetic **Grades:** K-8
Description: (26-1725) Pract on 4 basic math ops; has pre- & mastery testing, enroll'g students, storing/reporting perf.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K ModI/III+disk
Sce: Radio Shack $199

K-8 MATH WORKSHEET GENRAT (Teacher aid)
10)**Subj/Topic:** Arithmetic **Grades:** K-8
Description: (26-2162) Prints word & ans sheets for the 4 basic arithmetic operations; teacher selected objectives.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K MI/III+d,prtr
Sce: Radio Shack $99.95

COUNTING BEE (Rote drill)
11)**Subj/Topic:** Arithmetic **Grades:** K-3
Description: Eight learning units introduce young learners to counting, addition, subtraction, shapes, weight, and measure.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Edu-Ware Services $29.95

MATH FACTS - LEVEL I (Tutorial)
12)**Subj/Topic:** Arithmetic **Grades:** K-2
Description: Instruction & practice on numbers 1-20, number placement & words, visual&abstract addn & subtrn; on dsk $25.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+tape; 24K+dsk
Sce: T.H.E.S.I.S. $20

ADD ON (Skills pract)
13)**Subj/Topic:** Arithmetic **Grades:** K-3
Description: Practice adding whole numbers, aided by blocks display for counting; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk50,5p]**

TAKE AWAY (Skills pract)
14)**Subj/Topic:** Arithmetic **Grades:** K-3
Description: Practice on subtraction of whole numbers, aided by display of blocks for counting; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk50,5p]**

MATH RACE (Educ'l game)
15)**Subj/Topic:** Arithmetic **Grades:** K-3
Description: Game for 1 or 2 players; involves simple addition problems & animan or vehicle race; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk50,5p]**

† This is a new entry in THE SOFTWARE FINDER. ** See Intro. and Sect. II-3.

MATHEMATICS: Arithmetic (CONT)

NUMBER TREE (Rote drill)
1)**Subj/Topic:** Arithmetic **Grades:** K-1
Description: Program reinforces relationship between a numeral and the word for that numeral. Incl performance report.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Little Bee $10.95

†FACTS MATCH ADDITION (Rote drill)
2)**Subj/Topic:** Arithmetic **Grades:** K-2
Description: In game-like setting,student matches numeral with word names & combinations; 3 levels of difficulty.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Bertamax $29.50

†CUBBYHOLES (Educ'l game)
3)**Subj/Topic:** Arithmetic **Grades:** K-4
Description: One or 2 player game; fresh approach to teaching addition; requires BASIC lang, cart, & 1 joystick controller.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Prog Exchng $22.95

†THREE R MATH SYSTEM (Skills pract)
4)**Subj/Topic:** Arithmetic **Grades:** K-8
Description: Ultrafast way to create custom-tailored math drills for each student; 101 difficulty levels, password system.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 48K + DOS
Sce: Atari Prog Exchng $22.95

ADD WITH CARRY (Skills pract)
5)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Practice in columnar addition; sum digits entered right to left; carries shown; disk version $24.95.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Compuware $11.95 [pk46,4p]**
Rev's: MJ V3#2(+)

SPEED DRILL (Skills pract)
6)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Timed practice on addition, subtraction, multiplication & division with choice of easy - to - hard problems.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk73,11p]**
Rev's: JRM V1(+); MJ W81(+)

MATH GAMES (Educ'l game)
7)**Subj/Topic:** Arithmetic **Grades:** 1-3
Description: 4 games provide practice on arithmetic & fractions; Darts (addition), Bomber (fractions), Snoopy, & Easy Math.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Compuware $14.95

MATHWARE SYSTEMS S (Tutorial)
8)**Subj/Topic:** Arithmetic **Grades:** 1-8
Description: Class management for 50 students, diagnostic testing, complete math curr., data storage, 8 disks with backup.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Math City/Mathware $350
Rev's: EC V2#4(+); PT 7-8/82(+)

ADDITION & SUBTRACTION (Tutorial)
9)**Subj/Topic:** Arithmetic **Grades:** 1-5
Description: Can introduce new concepts as well as drill. Complete instructions, record keeping; imaginative presentation.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Math City/Mathware $59

BASIC MATH SKILL GAMES (Educ'l game)
10)**Subj/Topic:** Arithmetic **Grades:** 1-8
Description: Practice with 4 basic arithmetic operations on whole numbers; game format; 3 difficulty levels; 12 programs.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Mentor Software $94.95
Rev's: PM W80(+)

SPEED FACTS (Educ'l game)
11)**Subj/Topic:** Arithmetic **Grades:** 1-5
Description: Drill on 4 basic arithmetic operation facts for 1-3 pupils; 1 table or mixed; 3 time limits; continuous scores.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K+dsk,Applesoft
Sce: Ideatech $16.45

MATH PACK I (Skills pract)
12)**Subj/Topic:** Arithmetic **Grades:** 1-5
Description: Three programs: Mathgrid, Multiplication & Division Fun, & Speed Facts.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K+dsk,Applesoft
Sce: Ideatech $31.45

BASIC ARITHMETIC SKILLS (Educ'l game)
13)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Drills arithmetic facts all 4 ops; verbal/visual/auditory reinforcers; gives help;stores/reprts perf;auto promot.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Edutek Corp. $95

COUNTING *'S (Skills pract)
14)**Subj/Topic:** Arithmetic **Grades:** 1-4
Description: Student must identify product of rows and columns of stars on screen.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $10

COMMAT (Skills pract)
15)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: The student must match equivalent pairs of arithmetic statements; 11 difficulty levels.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $30

WARMATH (Educ'l game)
16)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Two students compete in game of War; involves doing arithmetic problems selected by teacher.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $30

FOOTBALL MATH (Educ'l game)
17)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Two players advance in football by answering math problems; nine difficulty levels.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $30

TICMAT (Educ'l game)
18)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Regular Tic Tac Toe and also version involving arithmetic problems; 12 difficulty levels.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $30

BASEBALL MATH (Educ'l game)
19)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Two players advance in baseball by answering problems in the 4 basic operations; operands to 20.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $10

MATH RACE (Educ'l game)
20)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Two players advance in a car race based on performance in arithmetic problems; operands to 100;9 diffic levels.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $30

TABLES 1-12,4 BASIC OPER'S (Rote drill)
21)**Subj/Topic:** Arithmetic **Grades:** 1-4
Description: Drill on arithmetic facts, tables 1-12, addition, subtraction, multiplication & division; graphix reinforcers.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET;16K Ap/TRS
Sce: Educat'l Activit's $15.95
Rev's: SMW W82(+)

ADDIT'N&SUBTR'N,WHOLE NOS. (Skills pract)
22)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Practice adding & subtracting whole numbers; graphics reinforcers; multiple difficulty levels.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Educat'l Activit's $15.95
Rev's: JRM V1(-)

INTRO TO MATH ON COMPUTER (Skills pract)
23)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Practice on 4 basic operations; 6 difficulty levels; automatic promotion; disk version $39.95.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Educat'l Activit's $34.95
Rev's: JRM V1(-); ET 4/82(-); SMW Su81(0)

FACT TRACK (Rote drill)
24)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Timed drill on basic arithmetic facts; multiple difficulty levels; optional race format.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; App48K+d;Ata40K+d
Sce: Sci Research Assoc $100
Rev's: ER 81(+)

MATH PAK I (Skills pract)
25)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Practice on 4 basic operations; each digit checked as entered; reports performance; game if score above 90.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Sandpiper Software $14.95
Rev's: TCT 6-7/80; SMW Su81(+)

MATHELP (Skills pract)
26)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Gives practice on the 4 baic arithmetic operations.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Software Industries $9.90 [pk76,3p]**

PRESCRIPTIVE MATH DRILL (Skills pract)
27)**Subj/Topic:** Arithmetic **Grades:** 1-4
Description: Teacher specifies arithmetic lessons for 100 students; the computer administers drills, stores & reports perf'c.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Hartley Courseware $79.95
Rev's: SMW W82(+); EC V2#6(+)

ADD'N DRILL,MULTIP'N DRILL (Skills pract)
28)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Pract on whole no. add'n and multipl'n; step-by-step help as needed; 5 diffic levels; 2 prog's; disk vers $19.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Edu-Soft $14.95

ADDITION (Skills pract)
29)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Column integer addition, right to left answering, opt'l carry marking, graphic feedback; 24 diffic'y levels.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K+tape,all ROM's
Sce: Teaching Tools $20
Rev's: SMW W82(+); CCS 82(0); SMW Su82(+)

SUBTRACTION (Skills pract)
30)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Column integer subtraction, right to left answering, opt'l regrouping marking, graphic feedback; 12 diff levels.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K+tape,all ROM's
Sce: Teaching Tools $20
Rev's: SMW Su82(+); CC 10/81(+); CCS 82(0)

† This is a new entry in THE SOFTWARE FINDER. ** See Intro. and Sect. II-3.

MATHEMATICS: Arithmetic (CONT)

CON*PUTATION (Educ'l game)
1)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Child matches any arith expres'n behind boxes w/ ans'r or equal expres'n;2 players,1-8 levels; on disk $25.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: T.H.E.S.I.S. $20 [pk24,2p]**
Rev's: PM Su81(+)

DIVIDE (Rote drill)
2)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Problems in short division; reinforces multiplication tables; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $24.95 [pk52,5p]**

MATH FACTS (Skills pract)
3)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Pract for 1 to 4 students in +,-,x,or div, student fills in blank in equation, scoring can be obtained.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Little Bee $10.95

MULT FACTS (Rote drill)
4)**Subj/Topic:** Arithmetic **Grades:** 1-5
Description: Drills pupil on basic multiplication facts, either one table or mixed; reports student performance.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2.1
Sce: Indian Head Softwe $3.95

DIVISION FACTS (Rote drill)
5)**Subj/Topic:** Arithmetic **Grades:** 1-5
Description: Drill on division facts; choice of exercise types; reports student performance.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2.1
Sce: Indian Head Softwe $3.95

ADD (Rote drill)
6)**Subj/Topic:** Arithmetic **Grades:** 1-4
Description: Single-digit problems;choice of straight addition problems or problems with demonstration of reversed digits.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC 5K + t
Sce: Comm*Data Comp Hse $9.95

ARITHMETIC DRILL PROGRAM (Skills pract)
7)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Practice on whole number arithmetic; 10 different lessons, 3 difficulty levels; graphics reinforcers.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Mic'comp Soft Sys $25

ADDITION WITH CARRY (Skills pract)
8)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Practice adding where carries req'd; on-screen solution; carries marked; immed error flag; App vers $24.95.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap48K+d;PET/TRS+t
Sce: Micrcomp Workshops $20

BASIC ADDITION FACTS (Rote drill)
9)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Drill on addition facts; random problems or specified operands; reviews those missed; reports performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

SUBTRACTING WITH OBJECTS (Rote drill)
10)**Subj/Topic:** Arithmetic **Grades:** 1-2
Description: 10 subtraction problems with operands 1 to 10; graphic representation of each problem; reports performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + PET
Sce: Micro-Ed $7.95

ADD'G/SUBTRACT'G IN COL'S (Rote drill)
11)**Subj/Topic:** Arithmetic **Grades:** 1-6

CONCEPT
EDUCATIONAL
SOFTWARE
P.O. BOX 6184
ALLENTOWN, PA 18001
(215) 266—1679

Description: Practice adding 2- & 3-place numbers in columns; sums entered right to left; reports pupil performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

ADDING WITH OBJECTS (Rote drill)
12)**Subj/Topic:** Arithmetic **Grades:** 1-2
Description: 10 random addition problems with sums to 20; each problem represented graphically; reports pupil performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

BASIC MULTIPLICATION FACTS (Skills pract)
13)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Practice on multiplication facts; random or specified operands; reviews problems missed; reports perform'nc.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95
Rev's: SMW Su81

MATH BID (Skills pract)
14)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Practice on 4 basic arithmetic operations;pupil bids based on his/her estimate of ability to do each problem.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET8K/VIC5K+tape
Sce: Micro-Ed $7.95

TARGET MATH (Skills pract)
15)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Practice on the 4 basic operations; graphics reinforcers; pupil's performance is reported.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

ADDITION WITH CARRY (Skills pract)
16)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: On-screen practice in addition with carry; user controls format from 1 to 9 rows & columns; random generation.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $20

JANEPLUS (Simulation)
17)**Subj/Topic:** Arithmetic **Grades:** 1-12
Description: Observing how children pictured on screen change numbers motivates discussion of simple math functions.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; PET16K+t;Ap32K+d
Sce: Longman Group $ n/av

%MATH TABLES DRILL (Rote drill)
18)**Subj/Topic:** Arithmetic **Grades:** 1-3
Description: Practice arithmetic facts; gives 20 problems, all 4 operations, on specified operand; performance report.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Basics & Beyond $24.95 [pk14,30p]**

NUMBER STRINGS (Skills pract)
19)**Subj/Topic:** Arithmetic **Grades:** 1-8
Description: Practice adding strings of whole numbers; user controls quantity & number of digits.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8KPET/16KAp,TRS,t
Sce: Micro Learningware $7.95
Rev's: CC 10/80

MATH DRILL (Skills pract)
20)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Practice in adding, subtracting, multiplying or dividing whole nos.; mult. difficulty levels; uses grafx.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8KPET/16KAp,TRS+t
Sce: Micro Learningware $7.95
Rev's: CC 10/80

SPEED DRILL (Skills pract)
21)**Subj/Topic:** Arithmetic **Grades:** 1-8
Description: Timed drill on adding, subtracting, multiplying & dividing whole numbers; multiple difficulty levels.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Micro Learningware $7.95

MATHRACE (Rote drill)
22)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Drill allows up to 9 to have race on 4 basic operations facts; 4 levels of difficulty.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comaldor $20

SUPER DRILL (Skills pract)
23)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Students practice 4 basic operations of addition, subtraction, multiplication & division.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K;disk
Sce: T.I.E.S. $49.95 [pk120,4p]**

MATH TEST AND RECORD (Skills pract)
24)**Subj/Topic:** Arithmetic **Grades:** 1-8
Description: Teacher initializes for math skill, level & # of problems; program gives probs,recds/reprts perf;disk $12.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+tape;32K+disk
Sce: Cove View Press $9.95

%LEGACY (Educ'l game)
25)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Game against computer which involves recalling multiplication facts before time runs out; uses sound, graphix.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Teck Associates $19.95 [pk59,14p]**
Rev's: SMW Su81(+)

% TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

MATHEMATICS: Arithmetic (CONT)

FAST MATH PACKR (Skills pract)
1)**Subj/Topic:** Arithmetic **Grades:** 1-8
Description: Teacher sets kind and no. of probs/min.;prog flahes problem,pauses,then follows with response; on disk $12.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+tape;32K+disk
Sce: Cove View Press $9.95

NUMBER BLAST (Educ'l game)
2)**Subj/Topic:** Arithmetic **Grades:** 1-10
Description: Pract add'n/multiplication facts or problems; prog gives prob,players "blast" to answer w/ joysticks; 3 speeds.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d/joyst
Sce: Atari Prog Exchng $15.95
Rev's: SMW W83(-)

%DRILL II (Rote drill)
3)**Subj/Topic:** Arithmetic **Grades:** 1-4
Description: Timed drill in addition, subtraction & multiplication facts; records and reports progress.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + 2 disks
Sce: Teck Associates $29.95

ARITHMETIC CLASSRM-ADDIT'N (Tutorial)
4)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Diagnostic, tutorial,practice, mast test functions teach addition; multiple difficulty levels, perf reports.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Sterling Swift $49.95
Rev's: CTG V1#3(+); SMW W83(+)

LEARN'G SYST-WHOLE NUMBERS (Tutorial)
5)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Diag,tutorial,pract(includ'g games),mast test,class mgt functions;all 4 basic ops;mult levels,perf reports;6 dsks.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Sterling Swift $495

MATH DIVING (Skills pract)
6)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Choose operation add, subt, mult, div at one of six levels; 2 players climb tower, try to be first to dive.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + disk
Sce: JMH Software of MN $9.95

NUMBER JUMPER (Skills pract)
7)**Subj/Topic:** Arithmetic **Grades:** 1-4
Description: Practice the skill of adding numbers quickly; start small, eventually add nine numbers in a row.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Micro-Ed $14.95

MATH DERBY (Educ'l game)
8)**Subj/Topic:** Arithmetic **Grades:** 1-7
Description: Math drill game in horse race format; 1-3 players select own drill (4 basic ops); user inputs set difficulty.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Color Sftwe Svcs $12.95

MATHWAR (Educ'l game)
9)**Subj/Topic:** Arithmetic **Grades:** 1-12
Description: Game of Battleship for two; can "fire" if math facts correct; choice of skills drilled & different levels.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape or disk
Sce: Comaldor $20

SIGMA (Educ'l game)
10)**Subj/Topic:** Arithmetic **Grades:** 1-3
Description: Addition drill for random one digit problems based on a hockey game format.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Mercer Systems $5.95

GALAXY MATH FACTS GAME (Educ'l game)
11)**Subj/Topic:** Arithmetic **Grades:** 1-9
Description: Six games that give challenging & motivating format for drill on basic math skills; disk version $147.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Random House $99

GRANDPRIX (Educ'l game)
12)**Subj/Topic:** Arithmetic **Grades:** 1-9
Description: Simulated auto race that motivates student in practice of basic math facts.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Random House $147

CUBBYHOLES (Educ'l game)
13)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Students build fences around sets of 2 or 3 nos. in 3x3 grid so sets add to target sum; 1 or 2 players; timed.
Syst(s): Apple TRSCol
Lang/Min Hdwre: BASIC; Ap48K/TRSC32K+dsk
Sce: The Learning Co. $45

ALIEN ADDITION (Educ'l game)
14)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Practice in addition of numbers 0-9 in arcade game format; student fires laser cannon at invader; perf reprt.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Dev'l Learn'g Mat's $39
Rev's: ET 11/82(0); CRC V1#1(0); CR 8-9/82(+)

MINUS MISSION (Educ'l game)
15)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Practice in subtr'n of numbers 0-9 in arcade format; involves robot, lasers and enemy "slime"; reports perf'nc.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Dev'l Learn'g Mat's $39
Rev's: ET 11/82(0); CRC V1#1(0); CR 8-9/82(+)

ALLIGATOR MIX (Educ'l game)
16)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Pract add'g,subtract'g nos. 0-9 in arcade format; stud't tries to rescue apples from alligators; perf reports.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Dev'l Learn'g Mat's $39
Rev's: ET 11/82(0); CRC V1#1(0); CR 8-9/82(+)

TIMES (Rote drill)
17)**Subj/Topic:** Arithmetic **Grades:** 1-4
Description: Drill on multiplication facts to 9; gives right ans after 2 wrong; shows time to answer; disk version $10.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95
Rev's: SMW Su81(-)

METEOR MATH (Rote drill)
18)**Subj/Topic:** Arithmetic **Grades:** 1-3
Description: Drill on arithmetic facts; player tries to destroy menacing meteors.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Compuware $11.95 [pk29,3p]**

MATH DRILL (Skills pract)
19)**Subj/Topic:** Arithmetic **Grades:** 1-9
Description: Practice addition, subtraction, multiplication & division, large or small display; time opt; dsk vers $24.95.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Compuware $11.95 [pk46,4p]**
Rev's: MJ V3#1(0)

†MATH TEST (Skills pract)
20)**Subj/Topic:**Arithmetic **Grades:** 1-4
Description: Student chooses either addition, subtraction, multiplication or division problems; performance summarized.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Comm*Data Comp Hse $7.95

†%LOOKAHEAD (Educ'l game)
21)**Subj/Topic:**Arithmetic **Grades:** 1-12
Description: One or two player game of number strategy using simple addition; several skill levels included.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Johnson Software $15.95

†%PICK IT (Educ'l game)
22)**Subj/Topic:**Arithmetic **Grades:** 1-8
Description: Teaches concept of addition plus assists in drill & practice; one or 2 players compete.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Johnson Software $20

†ARITH CLASSRM-SUBTRACTION (Tutorial)
23)**Subj/Topic:**Arithmetic **Grades:** 1-6
Description: Diagnostic, tutorial, practice & mastery test functions teach subtrac'n; multiple diffic levels;perf repts.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Sterling Swift $49.95
Rev's: CTG V1#3(+)

†ARITH CLASSRM-MULTIPLIC'N (Tutorial)
24)**Subj/Topic:**Arithmetic **Grades:** 1-6
Description: Diagnostic, tutorial, practice & mastery test functions teach multipl'n; multiple diffic levels;perf reports.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Sterling Swift $49.95
Rev's: CTG V3#1(+)

†ARITH CLASSROOM-DIVISION (Tutorial)
25)**Subj/Topic:**Arithmetic **Grades:** 1-6
Description: Diagnostic, tutorial, practice & mastery test functions teach division; multiple diffic levels;perf reports.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Sterling Swift $49.95
Rev's: CTG V3#1(+)

†FACTS MATCH SUBTRACTION (Rote drill)
26)**Subj/Topic:**Arithmetic **Grades:** 1-2
Description: In game-like setting,student matches numerals with word names & combinations; 3 levels of difficulty.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Bertamax $29.50

†FACTS MATCH MULTIPLICATION (Rote drill)
27)**Subj/Topic:**Arithmetic **Grades:** 1-2
Description: In game-like setting,student matches numerals with word names & combination; 3 levels of difficutly.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Bertamax $29.50

†BASIC MATH FACTS DRILL (Skills pract)
28)**Subj/Topic:**Arithmetic **Grades:** 1-6
Description: Drill in4 basic ops;20 exercises each lesson, game activity at endof lesson, immed feedback&scoring; Ap $49.50.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Random House $39
Rev's: ET 7/82(+)

†VIDEO MATH FLASH CARDS (Rote drill)
29)**Subj/Topic:** Arithmetic **Grades:** 1-4
Description: 2 minute drills; choose from add, subt, mult, or div, or a mixture of all 4; contains review; individ or group.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Atari Prog Exchng $15.95

% TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

MATHEMATICS: Arithmetic (CONT)

†ADDITION INVADERS (Educ'l game)
1)**Subj/Topic:** Arithmetic **Grades:** 1-4
Description: To save the earth, answer the addition problem before the space invader reaches your base.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Comm*Data Comp Hse $7.95

†GAME DISK #1 (Educ'l game)
2)**Subj/Topic:** Arithmetic **Grades:** 1-5
Description: Five 1 & 2 player games give practice in basic math & spelling; hangman & other formats.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + disk
Sce: H.E.L. Laborator's $24.95

†MATH DUEL (Educ'l game)
3)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Build math skills; with auto handicapping; joysticks required; on disk $29.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape or disk
Sce: H.E.L. Laborator's $11.95

†BASIC MATH (Educ'l game)
4)**Subj/Topic:** Arithmetic **Grades:** 1-4
Description: Flash card practice for beginners in selecting highest no. & 4 basic arith operations; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape or disk
Sce: H.E.L. Laborator's $11.95

†ADDITION & SUBTRACTION (Tutorial)
5)**Subj/Topic:** Arithmetic **Grades:** 1-3
Description: Teaches basic concepts of adding things; simple examples; student participation; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†MATH FOR ALL AGES (Tutorial)
6)**Subj/Topic:** Arithmetic **Grades:** 1-3
Description: Stu'nt learns basic opera'ns in add'tn, multipl'tn, subtr'tn, ' divs'n in a cur'culm bsed, sequ'tl arrangement.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K+ disk
Sce: Aquarius Publish's $450

†SPACE MATH (Educ'l game)
7)**Subj/Topic:** Arithmetic **Grades:** 1-6
Description: Students practice 4 math operations; teachers able to set own learning parameters.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Learning Well $49.95

†ADDENDS (Educ'l game)
8)**Subj/Topic:** Arithmetic **Grades:** 1-3
Description: Student finds addends and is rewarded by "happy birthday"; Apple version reward is visual.
Syst(s): Apple TRSCol
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: J.B. Hirsch $20

†MUSICAL MATH (Educ'l game)
9)**Subj/Topic:** Arithmetic **Grades:** 1-4
Description: Game provides practice in 4 basic arith ops; songs reward correct answers; three difficulty levels.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t; 24K+d
Sce: Hayden Book Co. $34.95

†WONDERFUL WIZARD (Educ'l game)
10)**Subj/Topic:** Arithmetic **Grades:** 1-3
Description: Practice in math; correct answers to problems move man to castle.
Syst(s):
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Comp Lrg Ctr Child $14.95

†BASIC MATH (Tutorial)
11)**Subj/Topic:** Arithmetic **Grades:** 1-3
Description: Basic math skills taught & practiced by counting blocks; graphic rewards.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Comp Lrg Ctr Child $24.95

†SHIP'S AHOY - MATH DRILL (Skills pract)
12)**Subj/Topic:** Arithmetic **Grades:** 1-3
Description: Timed drill & practice in addition, subtraction, multiplication & division; music.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Comp Lrg Ctr Child $24.95

TIMES TABLES (Rote drill)
13)**Subj/Topic:** Arithmetic **Grades:** 2-5
Description: Drill on times tables. Performance summarized. Code tells teacher table completed & number of times it took.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comm*Data Comp Hse $9.95

ARITH VOCABULARY (Rote drill)
14)**Subj/Topic:** Arithmetic **Grades:** 2-8
Description: Drill on basic arithmetic vocabulary; also reviews definitions & gives examples; reports student perform'c.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2.1
Sce: Indian Head Softwe $5.95

LONG DIVISION (Skills pract)
15)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Pract on rand generated long div'n probs w/ 1-3 digit divisors; worked on screen; immed error flag;on dsk $24.95.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap48K+d;PET/TRS+t
Sce: Micrcomp Workshops $20
Rev's: TCT V8#2(+)

1-2-3 DIGIT MULTIPLICATION (Skills pract)
16)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: On-screen practice multiplying 3-digit numbers by numbers with 1 to 3 digits (users choice); random generation.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

LONG DIVISION (Skills pract)
17)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Learner chooses 1,2 or 3 digit divisor, works problem on screen; each entry checked for error; gives help.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $20

MATH SHOOTOUT (Educ'l game)
18)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Learner tries to do arithmetic problems before Bad Math Mac draws; multiple difficulty levels; reports perf.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

NUMBO-JUMBO (Skills pract)
19)**Subj/Topic:** Arithmetic **Grades:** 2-8
Description: Practice in addition, subtraction, multiplication & division of integers on 4 levels; time limits on prob's.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Robert Baker $19.95

%LONG DIVISION (Skills pract)
20)**Subj/Topic:** Arithmetic **Grades:** 2-9
Description: Practice working long division problems on screen as if on paper; help available; 4 difficulty levels.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Basics & Beyond $29.95 [pkl6,20p]**

%MULTIPLICATION (Skills pract)
21)**Subj/Topic:** Arithmetic **Grades:** 2-9
Description: Practice working multiplication problems on the screen as if on paper; help available; 5 difficulty levels.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Basics & Beyond $24.95 [pkl6,20p]**
Rev's: SMW Su81(-)

DIVISION DRILL (Skills pract)
22)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Practice dividing whole numbers; problems come out even; multiple difficulty levels.
Syst(s): PET TRS-80 TRSCol
Lang/Min Hdwre: BASIC; App+d; PET/TRS+t
Sce: Micro Learningware $7.95
Rev's: CC 10/80

MATHMADNESS (Rote drill)
23)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Multiplication drill; facts from 4 to 9. Displays pupil's results in ranked order. May drop timing sequence.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comaldor $20

MATHFLASH (Rote drill)
24)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Flash cards on computer. Questions on any of 4 basic arithmetic operations or mixture;5 difficulty levels.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comaldor $20

†COMP ACTIVITIES IN MATH 3 (Skills pract)
25)**Subj/Topic:** Arithmetic **Grades:** 2-4
Description: Highly motivating activities that encourage mastery of arith skills; 5 concept strands, 10 lessons per strand.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Bertamax $39.80

THE ELEM. MATH EDU-DISK (Skills pract)
26)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Interactive lessons to teach +,-,x,& div on 9 skill levels,color, voice (opt) reinforcers; stores/reports perf.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Muse Software $39.95
Rev's: JRM V1(+); PM Su80(-); SMW Su82(+)

†SUM IT MOUNTAIN (Educ'l game)
27)**Subj/Topic:** Arithmetic **Grades:** 2-5
Description: Carry flag to top in fastest time by adding numbers rapidly; any mistake means start over; clocked time.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC5K+tape
Sce: Micro-Ed $14.95

DIVISION DRILL (Rote drill)
28)**Subj/Topic:** Arithmetic **Grades:** 2-8
Description: Pre-test,drill, post-test of division facts. Student's goal is to reach level 25; also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pkl8,2p]**

†TWO MINUTE WARNING (Educ'l game)
29)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Football race against the clock as player subtracts yardage on way to goal; practice successive subtraction.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC5K+tape
Sce: Micro-Ed $14.95

TICTACARITH (Skills pract)
30)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: 9 arithmetic problems randomly generated to teacher's specifications, placed on Tic Tac Toe grid.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: N.C.C.C.D. $5

†SLAM DUNK (Educ'l game)
31)**Subj/Topic:** Arithmetic **Grades:** 2-5
Description: Drill & practice on subtraction facts in a basketball format; make5 shots in a row & get a slam dunk.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC5K+tape
Sce: Micro-Ed $14.95

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

MATHEMATICS: Arithmetic (CONT)

MULTIPLICATION (Skills pract)
1)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Generates & scores exercises involving simple multiplication problems; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

†**SUBTRACTION INVADERS** (Educ'l game)
2)**Subj/Topic:** Arithmetic **Grades:** 2-4
Description: To save the earth, answer the subtraction problem before the space invader reaches your base.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Comm*Data Comp Hse $7.95

FACT SHEETS (Rote drill)
3)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Generates worksheets & corresponding ans keys for math facts practice; all problems random; printer req'd.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+d,Aplsft,ptr
Sce: Hartley Courseware $49.95

†**MULTIPLOY** (Educ'l game)
4)**Subj/Topic:** Arithmetic **Grades:** 2-8
Description: Must answer problems in adding, subtracting multipling & dividing before time runs out.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Reston Publishing $24.95

DIVISION (Skills pract)
5)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Generates & scores exer's involving division problems with 2- to 7-digit operands; reports student perform'c.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

ARITHMETIC DRILL: +,-,x (Skills pract)
6)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Drill in addition, subtraction, & multiplication is provided; 38 levels of difficulty.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K+disk
Sce: Comp Cseware Srvcs $55

MAGIC SQUARES (Skills pract)
7)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Generates & scores exercises involving 3 X 3 magic squares with blank elements; student fills in; reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

MATH STRATEGY (Rote drill)
8)**Subj/Topic:** Arithmetic **Grades:** 2-8
Description: Drill on math facts, 4 basic ops; uses special "mind's eye" technique to help recall learned tables;sound&color.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Behavioral Engin'g $45
Rev's: IW 6/82(+); BR V1#2(0)

DIVISION DRILL (Rote drill)
9)**Subj/Topic:** Arithmetic **Grades:** 2-5
Description: Drill on division facts to 90/9; gives the correct answer after 2 wrong; displays time; disk version $10.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95

MULTIPLICATION INVADERS (Educ'l game)
10)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Student protects star base from alien invaders by solving multiplic'n problems in time; with color and sound.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Comm*Data Comp Hse $9.95

MULTIPLY (Rote drill)
11)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Practice on single-digit problems; choice of ordinary problems or those showing versed digits; perf report.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Comm*Data Comp Hse $9.95

ARITHMETIC FUND'LS BLS29 (Tutorial)
12)**Subj/Topic:** Arithmetic **Grades:** 2-5
Description: 4 programs on 4 basic math operations; contain 29 lessons; each program available separately.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: BLS/Random House $1479

METEOR MULTIPLICATION (Educ'l game)
13)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Pract multipl'g numbers 0-9 in arcade game format;stud't defends space station against meteors; reports perf'nc.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Dev'l Learn'g Mat's $39
Rev's: ET 11/82(0); CRC V1#1(0); CR 8-9/82(+)

DEMOLITION DIVISION (Educ'l game)
14)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Practice on problems with divisors 0-9 in arcade format;stud't fires cannons at tanks; reports performance.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Dev'l Learn'g Mat's $39
Rev's: ET 11/82(0); CRC V1#1(0); CR 8-9/82(+)

DRAGON MIX (Educ'l game)
15)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Pract on difficult mult/divn probs in arcade game format; stud't controls big dragon & destroys spacecraft.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Dev'l Learn'g Mat's $39
Rev's: ET 11/82(0); CRC V1#1(0); CR 8-9/82(+)

DIVISION, 1-DIGIT DIVISORS (Tutorial)
16)**Subj/Topic:** Arithmetic **Grades:** 2-5
Description: Tutorial, pract on division with 1-digit divisors; has pre-/post-test, instructive text, and drill.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Fullmer Associates $35

ARITHMETIC RACING (Educ'l game)
17)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Subtle development for students who need basic skill practice;a game of timed arithmetic practices.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Math Software $175 [pk21,12p]**
Rev's: MSN 10/81(+); TCT 3/82(+)

MULTIPLICATION & DIVISION (Tutorial)
18)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Complete computer instructions, record keeping, beginning multiplication - long div., word problems.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Math City/Mathware $59

MATH GAME (Skills pract)
19)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Generates probs in 4 basic ops, based on age & requested diff level, for math contest; scores on speed,accur'y.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk36,6p]**
Rev's: MJ W81(0); JRM V1(+); PM Ed#12(0)

TENS (Skills pract)
20)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Practice multiplying numbers which are multiples of ten.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk73,11p]**
Rev's: JRM V1(+); MJ W81(+)

MULTIPLIC'N & DIVISION FUN (Educ'l game)
21)**Subj/Topic:** Arithmetic **Grades:** 2-5
Description: Practice on multipl/division facts, 1 table or mixed; continuously displays score; reviews problems missed.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K+dsk,Applesoft
Sce: Ideatech $14.45

MATHGRID (Skills pract)
22)**Subj/Topic:** Arithmetic **Grades:** 2-5
Description: Drill on multiplication facts 0-9 for 1 or 2 players; associates grid points to x & y coordinate operands.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K+dsk,Applesoft
Sce: Ideatech $16.45

MATH PRACTICE (Skills pract)
23)**Subj/Topic:** Arithmetic **Grades:** 2-8
Description: Practice in addition, subtraction, multiplication and division; two levels of difficulty.
Syst(s): Atari TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Demi-Software $9.95

RUNNING (Educ'l game)
24)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Game in which student tries to win a race by competing with another student on math problems.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $10

MULT'N & DIV'N, WHOLE NOS. (Skills pract)
25)**Subj/Topic:** Arithmetic **Grades:** 2-8
Description: Practice multiplying & dividing whole numbers; graphics reinforcers; multiple difficulty levels.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Educat'l Activit's $15.95

%**WHOLE NO. ADD WORKSHT/TEST** (Test genrat)
26)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Generates tests/worksheets on whole no. addition; detailed probl tailoring; teacher ans key; on disk $29.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K M1/3,tape,ptr
Sce: Educl Micro Systems $24.95
Rev's: ER 81(0); TCT V8#3(+); SMW Su82(+)

%**WHOLE NO. SUBTR WKSHT/TEST** (Test genrat)
27)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Generates tests/worksheets on whole no. subtrac'n;detailed probl tailoring; teacher ans key; on disk $29.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K M1/3,tape,ptr
Sce: Educl Micro Systems $24.95
Rev's: ER 81(0); TCT V8#3(+); SMW Su82(+)

%**WHOLE NO. DIV'N WKSHT/TEST** (Test genrat)
28)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Generates tests/worksheets on whole no. division; detailed probl tailoring; teacher ans key; on disk $29.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K M1/3,tape,ptr
Sce: Educl Micro Systems $24.95
Rev's: ER 81(0); TCT V8#3(+); SMW Su82(+)

%**WHOLE NO. MULTN WKSHT/TEST** (Test genrat)
29)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Generates tests/worksheets on whole no. multipl'n;detailed probl tailoring; teacher ans key; on disk $29.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K M1/3,tape,ptr
Sce: Educl Micro Systems $24.95
Rev's: ER 81(0); TCT V8#3(+); SMW Su82(+)

%**WHOLE NO. DIVISION BY OBJ** (Skills pract)
30)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Pract whole no. division as on paper; detailed probl tailoring; fun reward; detailed perf rept;on disk $35.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K+d;TRS16K+t
Sce: Educl Micro Systems $29.95
Rev's: ER 81(0); TCT V8#3(+); SMW Su82(+)

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MATHEMATICS: Arithmetic (CONT)

%WHOLE NO. MULTIPL'N BY OBJ (Skills pract)
1)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Pract whole no. multiplica'n as on paper; detailed probl tailoring; fun reward; detailed perf rept;on disk $35.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K+d;TRS16K+t
Sce: Educl Micro Systems $29.95
Rev's: ER 81(0); TCT V8#3(+); SMW Su82(+)

%WHOLE NO. ADDITION BY OBJ (Skills pract)
2)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Pract whole no. addition as on paper; detailed prob tailoring; fun reward; detailed perf rept; on disk $35.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K+d; TRS16K+t
Sce: Educl Micro Systems $29.95
Rev's: ER 81(0); TCT V8#3(+); SMW Su82(+)

%WHOLE NO. SUBTRACT BY OBJ (Skills pract)
3)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Pract whole no. subtr'n as on paper; detailed prob tailoring; fun reward; perf reprt/analysis; on dsk $35.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K+d;TRS16K+t
Sce: Educl Micro Systems $29.95
Rev's: ER 81(0); TCT V8#3(+); SMW Su82(+)

%WHOLE NO. ARITH SERIES (Skills pract)
4)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Pract whole no. 4 basic ops as on paper; detailed prob tailoring; fun reward; detailed perf rept;on dsk $134.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K+d;TRS16K+t
Sce: Educl Micro Systems $109.95
Rev's: ER 81(0); SMW Su82(+); TCT V8#3(+)

ARITHMETIC GAMES (Educ'l game)
5)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Practice on 4 basic arithmetic operations in competitive setting; 6 games, each with 3 difficulty levels.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; App48K,Ata32K;dsk
Sce: Sci Research Assoc $150

BEAT THE COMPUTER (Skills pract)
6)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Timed or untimed practice in any mixture of 4 basic operations; large numerals; 4 difficulty levels.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Educ Softwe & Des $6.95

BLACK-OUT (Educ'l game)
7)**Subj/Topic:** Arithmetic **Grades:** 2-10
Description: 4 players take turns trying to add/subtract/multiply/divide numbers on 3 dice to match 1 of 64 numbers displayed.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Educ Softwe & Des $9.95

SPEED DRILL (Skills pract)
8)**Subj/Topic:** Arithmetic **Grades:** 2-9
Description: Timed drill on number facts with game-type scoring; optional positive & negative nos.; disk version $19.95.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Edu-Soft $14.95 [pk77,2p]**
Rev's: TCT V8#5(0)

MULTIPLICATION (Skills pract)
9)**Subj/Topic:** Arithmetic **Grades:** 2-8
Description: Problems displayed vertically; answers entered right to left, carrying can be marked & errors erased.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Teaching Tools $24.95

MATH FACTS LEVEL III (Skills pract)
10)**Subj/Topic:** Arithmetic **Grades:** 2-4
Description: Practice on adding up to 3 columns; also add with carry & subtraction w/ borrow;detailed graphic cues;on dsk$25.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 24K+tape;32K+disk
Sce: T.H.E.S.I.S. $20

MULTIPLY (Rote drill)
11)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Drill on multiplication tables; difficulty adjusts to student performance; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk52,5p]**

MATH RACE 2 (Educ'l game)
12)**Subj/Topic:** Arithmetic **Grades:** 2-4
Description: Game for 1 or 2 players involving intermed't level addition & subtract'n; race adds interest;on dsk $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk50,5p]**

†MAGIC SQUARES (Skills pract)
13)**Subj/Topic:** Arithmetic **Grades:** K
Description: Stud't enters N then watches an NxN square formed which may have same row col diag sums; disk $15.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 16K;TRS+t,Ap/At+d
Sce: Cybernetic Info $10

†LONG DIVISION (Tutorial)
14)**Subj/Topic:** Arithmetic **Grades:** 2-9
Description: Teaches, gives practice, reviews & reinforces the learning of long division principals; on disk $19.95.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K+t;32K+dsk
Sce: Educat'l Activit's $16.95

†MATH MASTER (Tutorial)
15)**Subj/Topic:** Arithmetic **Grades:** 2-8
Description: Teaches add, subtract, multi ply & divide whole #'s & fractions; flash cards; 25 difficulty levels.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Instant Software $17.95

†SIMPLE MULT'CTN & DIVISION (Tutorial)
16)**Subj/Topic:** Arithmetic **Grades:** 2-4
Description: Intro to concepts of multiplying & dividing things, then numbers; examples given; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†BIG MATH ATTACK (Educ'l game)
17)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: 4 basic math skills are reinforced with arcade game format; on disk $25.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; Ap48K+d;Atl6K+t
Sce: T.H.E.S.I.S. $20

†MICRO MATH BLASTER (Educ'l game)
18)**Subj/Topic:** Arithmetic **Grades:** 2-4
Description: Basic math skills practiced in arcade game format; varied levels of difficulty; on disk $19.95.
Syst(s): TRS-80 VIC-20
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: M-R Info Syst $15.95

†MATH HUNT: MATH FACTS, +/- (Educ'l game)
19)**Subj/Topic:** Arithmetic **Grades:** 2-7
Description: 4 stud'ts cooperatively or competitively solve addition/subtraction problems in various formats; disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t,24K+d
Sce: Edupro $19.95

†MATH HUNT:AMER YRS,MULT/DV (Educ'l game)
20)**Subj/Topic:** Arithmetic **Grades:** 2-7
Description: 4 stud'ts solve puzzles & problems in multiplication/division; simultaneous screen access; disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;joyst
Sce: Edupro $19.95

†MATH RACE: AMER THEME, +/- (Educ'l game)
21)**Subj/Topic:** Arithmetic **Grades:** 2-7
Description: 8 stud'ts simultaneously move across their race tracks solving addition & subtraction problems; disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d
Sce: Edupro $19.95

†MATH RACE:AMER THEME,MULDV (Educ'l game)
22)**Subj/Topic:** Arithmetic **Grades:** 2-7
Description: 8 students simultaneously solve multiplication & division problems; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24+d
Sce: Edupro $19.95

†FACTO MATH (Skills pract)
23)**Subj/Topic:** Arithmetic **Grades:** 2-6
Description: Stud't practices addition & subtraction & multiplication; lg nos reinforces visual recognition.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K+ disk or tape
Sce: Edco $25

†%MATH FOOTBALL (Educ'l game)
24)**Subj/Topic:** Arithmetic **Grades:** 2-5
Description: Provides drill in math problems with football field game format; sound and graphics.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Johnson Software $20

†SIGMA-82 (Educ'l game)
25)**Subj/Topic:** Arithmetic **Grades:** 2-5
Description: Provides practice in addition, subtraction, multiplication & division; 9 different speed levels.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Mercer Systems $6.95

†ADDITION/SUBTRACTION (Skills pract)
26)**Subj/Topic:** Arithmetic **Grades:** 2-4
Description: Practice addition or subtraction in vertical format; 2 levels; report card scoring.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Computer Island $11.95

†COMP ACTIVITIES IN MATH 4 (Skills pract)
27)**Subj/Topic:** Arithmetic **Grades:** 3-5
Description: Highly motivating activities that encourage mastery of arith skills; 5 concept strands, 10 lessons per strand.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Bertamax $39.80

†COMP ACTIVITIES IN MATH 5 (Skills pract)
28)**Subj/Topic:** Arithmetic **Grades:** 3-5
Description: Highly motivating activities that encourage mastery of arith skills; 5 concept strands, 10 lessons per strand.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Bertamax $39.80

†MATHEMATIC-TAC-TOE (Skills pract)
29)**Subj/Topic:** Arithmetic **Grades:** 3-10
Description: Addn, subt, mult, div, drill on 15 difficulty levels & 15 time limit levels; two players needed.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Prog Exchng $15.95

†MATH UFO (Educ'l game)
30)**Subj/Topic:** Arithmetic **Grades:** 3-7
Description: 1 or 2 players; select from add, subt, mult, or div, fast moving arcade style challenge.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 24K + tape
Sce: Atari Prog Exchng $22.95

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MATHEMATICS: Arithmetic (CONT)

†SECTOR-FIVE (Educ'l game)
1)**Subj/Topic:** Arithmetic **Grades:** 3-8
Description: Exercise in estimation; key to success is estimating correctly number of space invaders appearing on scanner.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC3K+tape
Sce: Micro-Ed $14.95

†PINBALL IQ (Educ'l game)
2)**Subj/Topic:** Arithmetic **Grades:** 3-6
Description: Gives practice in finding whole number part of quotient in division; correct answers build up pinball score.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC5K+tape
Sce: Micro-Ed $14.95

†LAST OF THE NINTH (Educ'l game)
3)**Subj/Topic:** Arithmetic **Grades:** 3-6
Description: Must solve a variety of multiplication problems correctly to win the game; team is trailing by 10 runs.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC5K+tape
Sce: Micro-Ed $14.95

ARITH-MAGIC (Skills pract)
4)**Subj/Topic:** Arithmetic **Grades:** 3-8
Description: 3 programs allow exploration and practice with whole number concepts in enjoyable formats.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; App32K/others 16K
Sce: Quality Educ Designs $35
Rev's: EC 3-4/82(0); ET 5/82(+); SMW Su82(+)

SOCCER MATH (Educ'l game)
5)**Subj/Topic:** Arithmetic **Grades:** 3-8
Description: Utilizes graphic-displayed players. Choice of addition,multiplication or subtraction; various difficulty levels.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; 48K+d; AppDOS3.3
Sce: Compu-Tations $24.95
Rev's: CRC V1#1(+)

GREATER THAN/LESS THAN (Skills pract)
6)**Subj/Topic:** Arithmetic **Grades:** 3-6
Description: The student replaces the "?" with < or > in problems like (8+6)?(19-4); reports student performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

MEDAL WINNER (Educ'l game)
7)**Subj/Topic:** Arithmetic **Grades:** 3-6
Description: Students take turns trying to create mult problem with largest product from 3 digits given; awards given.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET8K/VIC5K+tape
Sce: Micro-Ed $14.95

MATH SAFARI (Educ'l game)
8)**Subj/Topic:** Arithmetic **Grades:** 3-6
Description: Hunt awful Addchnids, Subslimps, Mulgrilas, Divaglons. As safari progresses, problems appear faster.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $20

%DIVISOR GAME (Educ'l game)
9)**Subj/Topic:** Arithmetic **Grades:** 3-9
Description: Practice factoring integers in game against the computer; adjustable difficulty levels.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Basics & Beyond $24.95 [pk14,30p]**

MATH FACTS GAMES I (Educ'l game)
10)**Subj/Topic:** Arithmetic **Grades:** 3-6
Description: 4 games played against the computer; works on upgrading arith skills alone or in combination; $39.80 on disk.
Syst(s): Apple Atari TRS-80 TRSCol
Lang/Min Hdwre: BASIC; Ap/At+d; TRS/C+t
Sce: Bertamax $39.50

QUOTIENT QUIZ (Skills pract)
11)**Subj/Topic:** Arithmetic **Grades:** 3-9
Description: The student must identify a number, given the remainders when divided by 3,5,7; 5 tries w/ hints;dsk ver $10.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95

HORSE DIVISION (Educ'l game)
12)**Subj/Topic:** Arithmetic **Grades:** 3-6
Description: 2 to 5 players advance their horses by correctly answering division problems in allotted time.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Comm*Data Comp Hse $9.95

DIVISION OF NUMBERS (Tutorial)
13)**Subj/Topic:** Arithmetic **Grades:** 3-6
Description: Graphics illustrate concepts of div'n & exer's help sharpen division skills with problems; disk version $67.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K+tape or disk
Sce: Orange Cherry Med $56

MULTIPL'N OF WHOLE NUMBERS (Tutorial)
14)**Subj/Topic:** Arithmetic **Grades:** 3-6
Description: Multipl'n explained, tables reviewed, then quizzes to ensure student's grasp of subject; disk version $67.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K+tape or disk
Sce: Orange Cherry Med $56

INTERMEDIATE MATH SKILLS (Tutorial)
15)**Subj/Topic:** Arithmetic **Grades:** 3-8
Description: Review & exercises increase understanding & practice with fractions, decimals & percent's;disk version $67.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Orange Cherry Med $56

NUMBOWL (Educ'l game)
16)**Subj/Topic:** Arithmetic **Grades:** 3-8
Description: Computer presents 3 random numbers; student must put into equations so the total is near 30 as possible.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC 5K + t
Sce: Micro-Ed $14.95

MATH SKILL GAMES-REGROUP'G (Educ'l game)
17)**Subj/Topic:** Arithmetic **Grades:** 3-9
Description: Ten programs which provide practice using regrouping skill; report student performance.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Mentor Software $79.95

ADDITION WITH CARRYING (Skills pract)
18)**Subj/Topic:** Arithmetic **Grades:** 3-5
Description: Game-like program walks child thru each step of an addition prog; results reported; disk vers $23.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Program Design Inc $16.95
Rev's: PM Su81(+)

MISSING MATH FACTS (Skills pract)
19)**Subj/Topic:** Arithmetic **Grades:** 3-8
Description: 4 levels of remedial arithmetic, each example given with answer but missing other compon't; dsk vers $39.95.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Educat'l Activit's $34.95

COMPU-MATH ARITHM'C SKILLS (Tutorial)
20)**Subj/Topic:** Arithmetic **Grades:** 3-12
Description: Teaches counting, addition, subtraction, multiplication, division;uses hi-res graphics; minimum of text.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Edu-Ware Services $49.95
Rev's: SMW Su81(0); JCR V1#1(0)

GRATING MULTIPLICATION (Tutorial)
21)**Subj/Topic:** Arithmetic **Grades:** 3-12
Description: Teaches student to multiply by grating method (makes large-number problems easier); uses graphics.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Educ Softwe & Des $6.95

ESTIMATION DRILL (Skills pract)
22)**Subj/Topic:** Arithmetic **Grades:** 3-9
Description: Timed pract in estimat'g ans to multipl'n problems; 3 levels; scored on speed & accuracy; disk version $19.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Edu-Soft $14.95 [pk80,2p]**
Rev's: TCT 10/81(0)

INTEGERS (Tutorial)
23)**Subj/Topic:** Arithmetic **Grades:** 3-9
Description: Instr'n & pract on 4 basic arith operations on both signed & unsigned nos.; gives help; disk version $19.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Edu-Soft $14.95 [pk80,2p]**
Rev's: TCT 10/82(0); CRC V1#1(+)

MATH OLYMPICS (Educ'l game)
24)**Subj/Topic:** Arithmetic **Grades:** 3-9
Description: Interacts with 1 to 8 players to teach math facts on 3 levels; uses game-reward approach.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Mega-Byte Systems $19.95

†SIX SECOND CLUB (Skills pract)
25)**Subj/Topic:** Arithmetic **Grades:** 3-6
Description: Provides drill in basic math facts; stud'ts select add, subtract, multi py or divide; on disk $17.95.
Syst(s): Com 64 PET VIC-20
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Micrograms $14.95

†INTRO 2 MULT'PLCN/DIVISION (Skills pract)
26)**Subj/Topic:** Arithmetic **Grades:** 3-6
Description: Students choose to practice multiplication or division problems; 3 levels of difficulty.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Concept Educ'l Sft $25

†GUINNESS WRLD RECD +/-PRBS (Tutorial)
27)**Subj/Topic:** Arithmetic **Grades:** 4-6
Description: 8 add'n & subt'n lessons,ea w/ tutorial,pract & game; incl no. & word probs using Guinness World Rec nos.;4dsks.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Soc for Visual Ed $225
Rev's: JCR V1#1(0)

†BACKFIRE (Educ'l game)
28)**Subj/Topic:** Arithmetic **Grades:** 4-6
Description: Exercise in finding divisors of given number; rockets fired from battle station will try to destroy divisors.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC3K+tape
Sce: Micro-Ed $14.95

†FAT CHANCE (Skills pract)
29)**Subj/Topic:** Arithmetic **Grades:** 4-8
Description: Understanding of multiples is needed to make "fat chance" pay off; predict chances that no. is multiple.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC3K+tape
Sce: Micro-Ed $14.95

FACTOR (Educ'l game)
30)**Subj/Topic:** Arithmetic **Grades:** 4-10
Description: Up to 50 numbers displayed; player takes number which is added to score; computer gets all remain'g factors.
Syst(s): Apple PET TRS-80 TRSCol
Lang/Min Hdwre: BASIC; Ap+d;PET/TRS+t
Sce: Micro Learningware $7.95
Rev's: CC 10/80; SMW Su81(0)

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MATHEMATICS: Arithmetic (CONT)

FRACTION SERIES (Skills pract)
1)**Subj/Topic:** Arithmetic **Grades:** 4-12
Description: 20 problems on addition, sub traction, multip'n & converting fractions to decimals; elapsed time display.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Robert Baker $24.95

MODULAR ARITHMETIC (Skills pract)
2)**Subj/Topic:** Arithmetic **Grades:** 4-8
Description: Generates & scores exer's on addition, subtraction & multiplication in various number bases; reports stud't perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

%TAKE IT (Educ'l game)
3)**Subj/Topic:** Arithmetic **Grades:** 4-9
Description: Timed practice in finding sign of result of signed integer arithmetic problems; difficulty varies with perf.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + tape
Sce: Teck Associates $19.95 [pk59,14p]**
Rev's: SMW Su81(+)

MATH PAK II (Skills pract)
4)**Subj/Topic:** Arithmetic **Grades:** 4-9
Description: Practice 4 basic operations with fractions; each digit checked as entered; reports student performance.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Sandpiper Software $14.95
Rev's: TCT 6-7/80

NUMBER CRUNCHER (Skills pract)
5)**Subj/Topic:** Arithmetic **Grades:** 4-9
Description: Based on function machine model; student enters three numbers, then guesses the rule; Ap/TRS dsk vers $59.80.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; TRS16K+t;Ap32K+d
Sce: Bertamax $55.80

†MATH FACTS GAMES II (Educ'l game)
6)**Subj/Topic:** Arithmetic **Grades:** 5-6
Description: 400 basic arith facts, 4 levels of difficulty;games: Stop the Fact, Guide & Find Answer, Face Race; Ap $39.80.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Bertamax $24.80

†COMP ACTIVITIES IN MATH 4 (Skills pract)
7)**Subj/Topic:** Arithmetic **Grades:** 5-7
Description: Highly motivating activities that encourage mastery of arith skills; 5 concept strands, 10 lessons per strand.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Bertamax $39.80

MATH SKILLS TEST (Teacher aid)
8)**Subj/Topic:** Arithmetic **Grades:** 5-8
Description: Measures and reports students' grasp of basic math concepts.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: L.I.F.E. Software $9.95

LINEAR SEARCH GAMES (Educ'l game)
9)**Subj/Topic:** Arithmetic **Grades:** 5-8
Description: 7 games develop strategies for searching for member of ordered set; Apple & TRS-80 disk vers's also available.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Creative Public'ns $23.95

†MULTI-FUN (Rote drill)
10)**Subj/Topic:** Arithmetic **Grades:** 5-9
Description: Stud'ts practice multiplication tables; provides reviews & is clasroom tested.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+ disk or tape
Sce: Edco $25

TENTRATION (Tutorial)
11)**Subj/Topic:** Arithmetic **Grades:** 6-12
Description: For students to learn not to do long multiplication and division when working with powers of ten.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Robert Baker $19.95

SOLV'G SUBTR/DIV PROBLEMS (Skills pract)
12)**Subj/Topic:** Arithmetic **Grades:** 6-12
Description: Provides processes & experiences needed to solve subt/divis problems in everyday life.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $44.95

SOLV'G ADD/MULT'N PROBLEMS (Skills pract)
13)**Subj/Topic:** Arithmetic **Grades:** 6-12
Description: Provives processes & experiences needed to solve add/mult'n problems in everyday life.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $44.95

NEW SUBTRACTION (Tutorial)
14)**Subj/Topic:** Arithmetic **Grades:** 7-12
Description: Enrichment tutorial & drill. Presents subtraction algorithm for left-to-right subtraction; also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk109,2p]**

NUMBER LINE (Skills pract)
15)**Subj/Topic:** Arithmetic **Grades:** 7-11
Description: Drills addition/subtraction of signed nos.; a mov'g, beep'g arrow demonstrates correct ans's; disk vers $19.95.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Edu-Soft $14.95 [pk77,2p]**

†MATH HUNT:SCI YRS,MULT/DIV (Educ'l game)
16)**Subj/Topic:** Arithmetic **Grades:** 7-12
Description: 4 students together solve multiplication & division problems; famous science years as clues; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d
Sce: Edupro $19.95

†MATH RACE: MATH RECREAT'NS (Educ'l game)
17)**Subj/Topic:** Arithmetic **Grades:** 7-12
Description: 8 stud'ts simultaneously race across their tracks working on number problems; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d
Sce: Edupro $19.95

†WORD RACE:WRLD AR US,MULDV (Educ'l game)
18)**Subj/Topic:** Arithmetic **Grades:** 7-12
Description: 8 stud'ts simultaneously move across their tracks by correctly solving mult'n & division probs; disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d
Sce: Edupro $19.95

CHIEF (Educ'l game)
19)**Subj/Topic:** Arithmetic **Grades:** 8-12
Description: A humorous practice in mixed arithmetic operations; disk version $10.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95 [pk12,3p]**

Coord's/Graph'g

BUMBLE GAMES (Educ'l game)
20)**Subj/Topic:** Coord's/Graph'g **Grades:** K-4
Description: 6 games using no. plotting feature Bumble from planet Furrin who gives clues for gues'g nos.& map locat'ns.
Syst(s): Apple TRSCol
Lang/Min Hdwre: BASIC; Ap48K/TRSC32K+dsk
Sce: The Learning Co. $39.95
Rev's: MUN 11/82(+); SMW W83(0)

HURKLE (Skills pract)
21)**Subj/Topic:** Coord's/Graph'g **Grades:** 3-6
Description: Practice using coordinate system; develops logical thought, reinforces concepts of left, right, up, down.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: N.C.C.C.D. $5
Rev's: SMW W82(0)

BUMBLE PLOT (Educ'l game)
22)**Subj/Topic:** Coord's/Graph'g **Grades:** 3-8
Description: 5 games using number pair plotting; games involve trapping robber, finding treasure & drawing grafx on grid.
Syst(s): Apple TRSCol
Lang/Min Hdwre: BASIC; Ap48K/TRSC32K+dsk
Sce: The Learning Co. $39.95
Rev's: MUN 11/82(+)

BAR GRAPH (Skills pract)
23)**Subj/Topic:** Coord's/Graph'g **Grades:** 4-10
Description: Practice interpreting bar graphs with different types of information; reports student performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

HURKLE (Educ'l game)
24)**Subj/Topic:** Coord's/Graph'g **Grades:** 5-9
Description: The student seeks a Hurkle on a 1- or 4-quadrant grid; good practice when learning Cartesian coordinates.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk73,11p]**
Rev's: TCT 4-5/80; MJ W81(+); JRM V1(+)

GRID SEARCH GAMES (Educ'l game)
25)**Subj/Topic:** Coord's/Graph'g **Grades:** 5-8
Description: Students develop their concepts of two - dimensional coordinate systems playing six games.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Creative Public'ns $23.95

GRAPH BUILDER (Tutorial)
26)**Subj/Topic:** Coord's/Graph'g **Grades:** 5-10
Description: Instruction & practice on reading graphs; covers x-y coordinates, representation of numeric data on graphs.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Program Design Inc $16.95

†PIE AND LINE GRAPHS (Tutorial)
27)**Subj/Topic:** Coord's/Graph'g **Grades:** 6-10
Description: Simplified instruction on purpose, interpretation & construction of graphs; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†BAR AND PICTURE GRAPHS (Tutorial)
28)**Subj/Topic:** Coord's/Graph'g **Grades:** 6-10
Description: Simplified instruction on purpose, interpretation & construction of graphs; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

%GRAPHS (Skills pract)
29)**Subj/Topic:** Coord's/Graph'g **Grades:** 8-9
Description: Reading points on a graph & plotting points, linear equations & quadratic equations.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2/3.3
Sce: EduTech $65

Currency

CHANGE MAKER (Skills pract)
30)**Subj/Topic:** Currency **Grades:** 1-6
Description: Gives practice in making change based on randomly selected purchase and payment amounts.
Syst(s): PET TRS-80
Lang/Min Hdwre: BASIC; 8KPET/16KTRS+tape
Sce: Micro Learningware $7.95

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

MATHEMATICS: Currency (CONT)

MONEY MASTER (Educ'l game)
1)**Subj/Topic:** Currency **Grades:** 1-5
Description: Player walks through maze by successfully performing transactions; displays coins and money graphically.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Med Systems Softwe $14.95
Rev's: 80M 2/81(+)

MONEY! MONEY! (Skills pract)
2)**Subj/Topic:** Currency **Grades:** 2-5
Description: Student determines value of money shown; covers more/less concept, counting change; hi-res, proport. illus.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+Applesoft,dsk
Sce: Hartley Courseware $39.95

USING MONEY &MAKING CHANGE (Tutorial)
3)**Subj/Topic:** Currency **Grades:** 2-4
Description: Students learn the value of money,how money is used to pay for things, & how to calculate change; disk vers $50.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Orange Cherry Med $42
Rev's: CRC V1#1(0); ET 9/82(0); SMW W83(-)

†MONEY (Tutorial)
4)**Subj/Topic:** Currency **Grades:** 2-4
Description: Explains concept of money & importance of ability to add, subtract & multiply it; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†A DOLLAR AND CHANGE (Educ'l game)
5)**Subj/Topic:** Currency **Grades:** 3-6
Description: How fast can student make change from a dollar bill? From $5.00 worth of change must run customer change.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC3K+tape
Sce: Micro-Ed $14.95

CHANGE (Skills pract)
6)**Subj/Topic:** Currency **Grades:** 3-9
Description: Subtraction to make change up to $100; programs tells what coins to give for change; disk version $10.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95 [pk12,3p]**

CHANGE (Skills pract)
7)**Subj/Topic:** Currency **Grades:** 3-6
Description: Practice making change with the computer providing a random purchase price & the amount paid.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Compuware $24.95 [pk73,11p]**
Rev's: JRM V1(+); MJ W81(0)

CHANGE (Educ'l game)
8)**Subj/Topic:** Currency **Grades:** 3-6
Description: Helps child learn to handle money; game format encourages player to count amount paid and change returned.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Color Sftwe Svcs $13.95

LEARNING TO COUNT MONEY (Tutorial)
9)**Subj/Topic:** Currency **Grades:** 3-6
Description: 3 progs teach child to count money & give practice in fun format; goes on shopping trip & runs checkout counter.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Mercer Systems $6.95

CASH-R (Skills pract)
10)**Subj/Topic:** Currency **Grades:** 3-6
Description: Provides practice in using coins to buy merchandise.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ModI/III+tape
Sce: Software Industries $9.90 [pk76,3p]**

†MC COCO'S MENU (Skills pract)
11)**Subj/Topic:** Currency **Grades:** 3-5
Description: Practice in using & adding money by purchasing from fast food menu; different prices each time.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Computer Island $11.95

†DOLLARS AND SENSE (Skills pract)
12)**Subj/Topic:** Currency **Grades:** 3-5
Description: Practice in making purchases using coins & bills; graphic displays of items kids love to buy; solutions given.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Computer Island $11.95

CASH REGISTER (Simulation)
13)**Subj/Topic:** Currency **Grades:** 4-6
Description: Pupil makes change at cash register displayed on screen; fun way to learn practical skills; disk vers $23.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Program Design Inc $16.95

Decimals/Percts

DECIMAL X (Tutorial)
14)**Subj/Topic:** Decimals/Percts **Grades:** 3-8
Description: Multiply two numbers, variable digits & dec. places; 1-4 users; timed & scored; disk version $10.95.
Syst(s): PET CBM
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95

INTRO TO DECIMALS ON COMP (Skills pract)
15)**Subj/Topic:** Decimals/Percts **Grades:** 3-6
Description: Practice 4 basic operations on decimals; 6 difficulty levels; automatic promotion; disk version $39.95.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET;16K Ap/TRS
Sce: Educat'l Activit's $34.95
Rev's: JRM V1(+)

†FRACT'NS,PERC'TS,&DECIMALS (Tutorial)
16)**Subj/Topic:** Decimals/Percts **Grades:** 4-10
Description: Comparing common fractions, percents, & decimals using real-life examples for survival math; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†BELL RINGER (Skills pract)
17)**Subj/Topic:** Decimals/Percts **Grades:** 4-6
Description: Tests ability to write fractions by their percent names; fractions have either 5,10,20,or 25 as denominators.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC3K+tape
Sce: Micro-Ed $14.95

†LIGHTS OUT (Educ'l game)
18)**Subj/Topic:** Decimals/Percts **Grades:** 4-8
Description: Timed exer; student practices arranging computer generated group of decimals, from largest to smallest.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC3K+tape
Sce: Micro-Ed $14.95

PERCENT PROBLEMS (Skills pract)
19)**Subj/Topic:** Decimals/Percts **Grades:** 4-9
Description: Practice on the basic types of percent problems; gives help as needed; multiple difficulty levels; reports perf.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2.1
Sce: Indian Head Softwe $5.95

DECIMAL PATTERNS (Skills pract)
20)**Subj/Topic:** Decimals/Percts **Grades:** 4-10
Description: Gives practice in predicting the forms of decimal representations of fractions.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**

DEC'L EQUIV'S OF FRACTIONS (Skills pract)
21)**Subj/Topic:** Decimals/Percts **Grades:** 4-6
Description: Displays number line with fractions;student gives decimal equivalent of highlighted fraction; perf report.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

DECIMAL SUBTRACTION (Skills pract)
22)**Subj/Topic:** Decimals/Percts **Grades:** 4-8
Description: Practice subtracting decimals in tenths from .1 to 1.2 with number line displayed.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Robert Baker $19.95

DECIMATION (Skills pract)
23)**Subj/Topic:** Decimals/Percts **Grades:** 4-9
Description: Practice adding, subtracting, multiplying & dividing decimal numbers; 4 difficulty levels; time limits.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Robert Baker $19.95

DECIMALS (Tutorial)
24)**Subj/Topic:** Decimals/Percts **Grades:** 4-9
Description: Instruction & practice on decimal numbers; includes graphic illus.
Syst(s): Apple PET TRS-80 TRSCol
Lang/Min Hdwre: BASIC; App+d;PET/TRS+t
Sce: Micro Learningware $7.95
Rev's: CC 10/80

DECIMALS II (Skills pract)
25)**Subj/Topic:** Decimals/Percts **Grades:** 4-8
Description: Generates & scores exer's on multiplying & dividing 1- to 3-place decimals; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

DECIMALS I (Skills pract)
26)**Subj/Topic:** Decimals/Percts **Grades:** 4-8
Description: Generates & scores exer's on adding & subtracting 1- to 3-place decimals; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

PERCENT PROBLEMS (Skills pract)
27)**Subj/Topic:** Decimals/Percts **Grades:** 4-9
Description: Generates & scores exer's on verbal problems involving percent relationships; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

DECIMAL +&- (Skills pract)
28)**Subj/Topic:** Decimals/Percts **Grades:** 4-9
Description: Dec'l add'n & subtr'n, whole nos. down to .01's; stud't aligns decimal pts; rt-to-left entry; disk vers'n $10.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95

LASER PERCENTS (Educ'l game)
29)**Subj/Topic:** Decimals/Percts **Grades:** 4-8
Description: 1 to 5 players try to guess percentage represented by shaded area of bar, indicate answer by firing laser.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comm*Data Comp Hse $9.95

ARITH CLASSRM-DECIMALS (Tutorial)
30)**Subj/Topic:** Decimals/Percts **Grades:** 4-8
Description: Diagnostic,tutorial,practice & mastery test functions teach decimal add'n/subtr'n; mult levels, perf reports.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Sterling Swift $49.95
Rev's: CTG V1#3(+)

† This is a new entry in THE SOFTWARE FINDER. ** See Intro. and Sect. II-3.

MATHEMATICS: Decimals/Percts (CONT)

DECIMALS-4 BASIC OPERAT'NS (Skills pract)
1)**Subj/Topic:** Decimals/Percts **Grades:** 4-9
Description: Practice adding, subtracting, multiplying & dividing decimals; graphics reinforcers; multiple diffic levels.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET;16K Ap/TRS
Sce: Educat'l Activit's $15.95
Rev's: JRM V1(-)

INTRODUCTION TO PERCENT (Skills pract)
2)**Subj/Topic:** Decimals/Percts **Grades:** 4-9
Description: Intros, gives practice converting back & forth between decimals and per cents.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Educat'l Activit's $15.95

FINDING PERCENT OF NUMBER (Skills pract)
3)**Subj/Topic:** Decimals/Percts **Grades:** 4-9
Description: Practice in finding a percent of a given number.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Educat'l Activit's $15.95

FRACTIONS AS A PERCENT (Skills pract)
4)**Subj/Topic:** Decimals/Percts **Grades:** 4-9
Description: This program explains and provides practice in rewriting fractions as percents.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Educat'l Activit's $15.95

ROUNDING OFF NUMBERS (Skills pract)
5)**Subj/Topic:** Decimals/Percts **Grades:** 4-9
Description: Practice rounding off numbers; graphics reinforcers; multiple difficulty levels.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET;16K Ap/TRS
Sce: Educat'l Activit's $15.95

EDU-WARE DECIMALS (Tutorial)
6)**Subj/Topic:** Decimals/Percts **Grades:** 4-12
Description: Deci'ls learning units teach definitions, rounding off, 4 basic ops, percentage. Disk: Apple $49,Atari $39.95.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; Ap48K+d; At32K+t
Sce: Edu-Ware Services $29.95

DECIMALS (Tutorial)
7)**Subj/Topic:** Decimals/Percts **Grades:** 4-6
Description: Instruction on decimals with emphasis on place value; practice converting fractions to decimals; on dsk $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk52,5p]**

†**LAWN OF THE LOST RINGS** (Educ'l game)
8)**Subj/Topic:** Decimals/Percts **Grades:** 5-8
Description: Given series of decimal fractions-denominators either 10,100,or1,000, must write decimal & percent names.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC3K+tape
Sce: Micro-Ed $14.95

DECIMALS/PERCENT (Skills pract)
9)**Subj/Topic:** Decimals/Percts **Grades:** 5-9
Description: Practice adding & subtract'g decimals in tenths from .1 to 1.2 with no. line & elapsed time displayed.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Robert Baker $19.95

DECIMAL-% (Skills pract)
10)**Subj/Topic:** Decimals/Percts **Grades:** 5-9
Description: Practice converting decimals to percents & vice versa; gives a graphic tutorial after 2 wrong ans;dsk ver $10.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95

DECIMAL ESTIMATION (Skills pract)
11)**Subj/Topic:** Decimals/Percts **Grades:** 6-12
Description: Mult. problem given, e.g., 42.31 X .1602=67780620; user moves decimal point rt or left; timed; also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk108,2p]**
Rev's: SMW Su82(+)

CHANGING % TO FRACTIONS (Tutorial)
12)**Subj/Topic:** Decimals/Percts **Grades:** 7-12
Description: Covers changing percents to fractions, common percent-fraction equivalents, practice exercises, summary, test.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2/3.3
Sce: BLS/Random House $60

CHANGING FRACTIONS TO % (Tutorial)
13)**Subj/Topic:** Decimals/Percts **Grades:** 7-12
Description: Covers % as 100ths, meaning of 100%, fractions as %, changing common fractions to decimals, then percent.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2/3.3
Sce: BLS/Random House $60

DECIMALS-A REVIEW COURSE (Tutorial)
14)**Subj/Topic:** Decimals/Percts **Grades:** 7-12
Description: Three programs and 13 lessons for remedial decimal review and instruction.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: BLS/Random House $663

NUMBER SERIES (Skills pract)
15)**Subj/Topic:** Decimals/Percts **Grades:** 7-9
Description: Pract analyzing no. series patterns; help as needed; goes from easy to hard; final qz;App vers w/ dsk, $23.95.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K; others 16K
Sce: Program Design Inc $16.95
Rev's: PM Su81(+)

Equations

†%**MATH BALANCE** (Skills pract)
16)**Subj/Topic:** Equations **Grades:** 2-5
Description: To teach concept of equality -shows equality using a pan balance;supply value that will balance the equation.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Athena Software $6.95

Factoring

†**PRIME FISHIN'** (Educ'l game)
17)**Subj/Topic:** Factoring **Grades:** 3-6
Description: Example in prime & composite nos.; student fishes to catch prime fish, composite fish illegal; keeps scorecard.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC3K+tape
Sce: Micro-Ed $14.95

†**FABUL LCM MACH/JACKPOT MIN** (Educ'l game)
18)**Subj/Topic:** Factoring **Grades:** 3-6
Description: Find least common multiple of 3 numbers randomly generated;if student wins enough, will see the Big Event.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC3K+tape
Sce: Micro-Ed $14.95
Rev's: MT 11/82(0)

FACTORING TRINOMIALS (Skills pract)
19)**Subj/Topic:** Factoring **Grades:** 3-8
Description: 3 levels of difficulty;multiple choice, missing term, give factors; summary progress shown after 10 problems.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + disk
Sce: JMH Software of MN $9.95

†**OIL WELL** (Author lang)
20)**Subj/Topic:** Factoring **Grades:** 4-8
Description: Find prime factors of a number & watch oil flow; Ex (24=2x2x2x3); student can become oil millionaire.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC3K+tape
Sce: Micro-Ed $14.95

†%**PRIME NUMBERS** (Tutorial)
21)**Subj/Topic:** Factoring **Grades:** 4-7
Description: Program teaches student to determine if a number is prime; student controls pace of lesson.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Athena Software $6.95

PRIME FACTOR (Computl tool)
22)**Subj/Topic:** Factoring **Grades:** 4-9
Description: Finds the prime factors of any positive integer.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2.1
Sce: Indian Head Softwe $1.95

FACTOR WHEEL (Educ'l game)
23)**Subj/Topic:** Factoring **Grades:** 4-8
Description: Wheel will spin for ten different tables. Players pick no. from table & win if wheel stops at factor of number.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comm*Data Comp Hse $9.95

FIND THE FACTORS (Educ'l game)
24)**Subj/Topic:** Factoring **Grades:** 4-12
Description: Given the sum & product of 2 nos., stud't tries to find the nos.;3 levels: 1-10,1-100,neg nos.; dsk vers $10.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95
Rev's: SMW Su81(0)

TAXMAN (Educ'l game)
25)**Subj/Topic:** Factoring **Grades:** 4-8
Description: Game against the computer; motivates the learning of factoring principles & prime numbers.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk73,11p]**
Rev's: JRM V1(0); MJ W81(+)

TAXMAN (Educ'l game)
26)**Subj/Topic:** Factoring **Grades:** 4-6
Description: Students select numbers from numeric list; taxman takes all factors of that number remaining on the list.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+disk
Sce: T.I.E.S. $49.95 [pk120,4p]**

EXPONENTS (Skills pract)
27)**Subj/Topic:** Factoring **Grades:** 6-10
Description: Practice factoring numbers to 150 using exponential notation where appropriate.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $90 [pk60,12p]**

THE EUCLID GAME (Educ'l game)
28)**Subj/Topic:** Factoring **Grades:** 6-10
Description: Intro and practice game for 2-5 players on finding the HCF of 2 numbers using the Euclidean Algorithm.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $90 [pk60,12p]**
Rev's: TCT V8#4(0); SMW Su82(+)

FACTORING FINALE (Educ'l game)
29)**Subj/Topic:** Factoring **Grades:** 6-10
Description: Given the prime factors of 2 numbers, player gives exponent of 1 factor in HCF, also the LCM & product of numbers.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $90 [pk60,12p]**
Rev's: TCT V8#4(0); TCT 1/82(+); SMW Su82(+)

THE RECTANGLE GAME (Educ'l game)
30)**Subj/Topic:** Factoring **Grades:** 6-10
Description: Practice finding factor pairs; teams try to find the sides of rectangles of given perimeters & areas.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $90 [pk60,12p]**
Rev's: TCT V8#4(0); TCT 1/82(+); SMW Su82(+)

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

MATHEMATICS: Factoring (CONT)

FACTOR PAIRS (Tutorial)
1)**Subj/Topic:** Factoring **Grades:** 6-10
Description: Introduces and gives practice on factoring as finding the lengths & widths of a rectangle with a given area.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $90 [pk60,12p]**
Rev's: TCT V8#4(0); TCT 1/82(+); SMW Su82(+)

GUESS AND TEST (Tutorial)
2)**Subj/Topic:** Factoring **Grades:** 6-10
Description: Introduction to estimating square roots to 10000, followed by a square root guessing game.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $90 [pk60,12p]**
Rev's: TCT 1/82(0); SMW Su82(+)

HIGHEST COMMON FACTOR (Tutorial)
3)**Subj/Topic:** Factoring **Grades:** 6-12
Description: Introduces & gives practice on finding the highest common factors of number pairs to 32767.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $90 [pk60,12p]**
Rev's: TCT V8#4(0); TCT 1/82(+); SMW Su82(+)

PAIRS AND SQUARES (Tutorial)
4)**Subj/Topic:** Factoring **Grades:** 6-10
Description: Introduces & gives practice with perfect squares & approximate square roots to 100; uses manipulative materials.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $90 [pk60,12p]**
Rev's: TCT V8#4(0); TCT 1/82(+); SMW Su82(+)

LEAST COMMON MULTIPLE (Tutorial)
5)**Subj/Topic:** Factoring **Grades:** 6-10
Description: Introduces & gives practice on finding the least common multiple of 2 numbers, up to 60, using the HCF.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $90 [pk60,12p]**
Rev's: TCT V8#4(0); TCT 1/82(+); SMW Su82(+)

SIEVE OF ERATOSTHENES (Computl tool)
6)**Subj/Topic:** Factoring **Grades:** 6-10
Description: Students solve three classic prime problems, using the program to find the 1st 42 primes & to factor nos.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $90 [pk60,12p]**
Rev's: TCT V8#4(0); TCT 1/82(+); SMW Su82(+)

HOW MANY FACTORS? (Tutorial)
7)**Subj/Topic:** Factoring **Grades:** 7-10
Description: Introduces and gives practice on finding how many factors & identifying them from prime factorization.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $90 [pk60,12p]**
Rev's: TCT V8#4(0); TCT 1/82(+); SMW Su82(+)

†MATH HUNT:SPACE FRONT,PWRS (Educ'l game)
8)**Subj/Topic:** Factoring **Grades:** 7-12
Description: 4 stu'ts work to solve problems involving powers & roots; clues from space frontier; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d
Sce: Edupro $19.95

†MATH RACE:POWERS & ROOTS (Educ'l game)
9)**Subj/Topic:** Factoring **Grades:** 7-12
Description: 8 stud'ts simultaneously race across their tracks solving problems with powers & roots; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d
Sce: Edupro $19.95

PRIME FACTORS (Educ'l game)
10)**Subj/Topic:** Factoring **Grades:** 9-12
Description: Shooting gallery game involving skill in indentifying prime factors - with built-in lesson if req'd;also on dsk.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape or disk
Sce: Comaldor $20

Fractions

FRACTION RECOGNITION (Skills pract)
11)**Subj/Topic:** Fractions **Grades:** K-6
Description: Clear, colorful drill on recogniz'g numerators, denominators; right ans shown clearly; disk version $19.95.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Edu-Soft $14.95 [pk8l,2p]**
Rev's: CRC V1#1(+)

†FRACTIONS (Tutorial)
12)**Subj/Topic:** Fractions **Grades:** 2-4
Description: Intro to fractions; randomized examples plus incentives for correct answers; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†MATH HUNT:AMER SPORTS;FRCT (Educ'l game)
13)**Subj/Topic:** Fractions **Grades:** 2-7
Description: 4 stud'ts cooperate/compete to solve fraction problems; clues from American sports; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;joyst
Sce: Edupro $19.95

†INTRODUCTION TO FRACTIONS (Skills pract)
14)**Subj/Topic:** Fractions **Grades:** 2-6
Description: Explains fractions w/ + & - numbers; prob's include addition, subtraction, multiplication & division.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Concept Educ'l Sft $25

†PUMPING IRON (Skills pract)
15)**Subj/Topic:** Fractions **Grades:** 3-8
Description: Subtracting mixed nos properly - borrowing or reducing when necessary - brings on Pumping Iron.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PETl6K/VIC3K+tape
Sce: Micro-Ed $14.95

†TUTTI FRUTTI (Skills pract)
16)**Subj/Topic:** Fractions **Grades:** 3-8
Description: Exercise in adding mixed numbers; goal is to find five sums & win a giant ice cream cone.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PETl6K/VIC3K+tape
Sce: Micro-Ed $14.95

FRACTION RECOGNITION (Skills pract)
17)**Subj/Topic:** Fractions **Grades:** 3-6
Description: Given picture, student types fraction & vice versa; "Help" tutorial; 1-4 stud'ts; denom'rs to 12;on dsk $10.95.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Teacher's Pet $7.95

ELEMENTS OF MATHEMATICS (Skills pract)
18)**Subj/Topic:** Fractions **Grades:** 3-9
Description: Drill & practice teaching adding of fractions, reducing, adding with uncommon denominators.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk
Sce: Electr Cseware Sys $90

FRACTIONS (Tutorial)
19)**Subj/Topic:** Fractions **Grades:** 3-7
Description: Instruction on fractions using graphics to show numeric equivalents; exer on fract sizes; on dsk $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk52,5p]**

†FRACTIONS - BASIC CONCEPTS (Tutorial)
20)**Subj/Topic:** Fractions **Grades:** 4-8
Description: Diagnostic, tutorial, practice & mastery test functions for fractions fund'ls;mult levels; perf reports.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Sterling Swift $49.95
Rev's: CTG V3#1(+)

†BRANDED (Skills pract)
21)**Subj/Topic:** Fractions **Grades:** 4-6
Description: Recognize part of a whole & write it as a fraction; shown herd of cattle, some branded, must express a fract'n.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC3K+tape
Sce: Micro-Ed $14.95

†PARTING SHOTS (Educ'l game)
22)**Subj/Topic:** Fractions **Grades:** 4-6
Description: Box of 36 squares appears; shoot out some, figure fraction in lowest terms on how many squares remain.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC3K+tape
Sce: Micro-Ed $14.95

MIXED NUMBER RECOGNITION (Skills pract)
23)**Subj/Topic:** Fractions **Grades:** K-6
Description: Clear, colorful drill on recognizing whole nos.,numerators & denominators; rt ans shown clearly; on dsk $20.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Edu-Soft $14.95 [pk8l,2p]**

REDUCING FRACTIONS (Skills pract)
24)**Subj/Topic:** Fractions **Grades:** 4-9
Description: Practice in reducing fractions; checks for reduction to lowest terms; reports student performance.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2.1
Sce: Indian Head Softwe $5.95

FRAC-DEC-PERCENT (Skills pract)
25)**Subj/Topic:** Fractions **Grades:** 4-9
Description: Practice converting between fractions, decimals & percents; gives help when needed; reports student performance.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2.1
Sce: Indian Head Softwe $5.95

FRACTION/DECIMAL ARITHMETC (Tutorial)
26)**Subj/Topic:** Fractions **Grades:** 4-8
Description: Def'ns,order of fractions,equivlnc,4 arith ops on fracs;has tutor'ls, pract w/ feedback,games,mgt syst;Span/Eng.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Sterling Swift $495
Rev's: SMW W83(+)

ADDING FRACTIONS (Skills pract)
27)**Subj/Topic:** Fractions **Grades:** 4-10
Description: Introduces & gives practice in adding fractions; leads student through all steps as often as necessary.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT 1/82(+); TCT V8#4(0); SMW Su82(+)

FRACTIONS AND MEASUREMENT (Skills pract)
28)**Subj/Topic:** Fractions **Grades:** 4-10
Description: Practice multiplying twelfths, sixteenths where comes out even; gives visual understanding of multiplic'n.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT 1/82(+); SMW W82(+); SMW Su82(+)

COMPOUND FRACTIONS (Skills pract)
29)**Subj/Topic:** Fractions **Grades:** 4-10
Description: Reviews common denominators and the 4 basic operations, and gives practice simplifying compound fractions.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT V8#4(0); TCT 1/82(+); SMW Su82(+)

† This is a new entry in THE SOFTWARE FINDER. ** See Intro. and Sect. II-3.

MATHEMATICS: Fractions (CONT)

COMPARING FRACTIONS (Skills pract)
1)**Subj/Topic:** Fractions **Grades:** 4-10
Description: Reinforces the skills needed for addition & subtraction of fractions; introduces the symbols < and >.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT V8#4(0); TCT 1/82(+); SMW Su82(+)

FRAC TAC TOE (Educ'l game)
2)**Subj/Topic:** Fractions **Grades:** 4-10
Description: Players try to get 3 in a row by capturing grid points determined by fractions or their equivalents.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT 1/82(+); SMW W82(+); SMW Su82(+)

FACTOR FRACTURE (Educ'l game)
3)**Subj/Topic:** Fractions **Grades:** 4-10
Description: Fraction multiplication game; players take turns finding 1 to 3 forms of 1, each trying to take the last.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT V8#4(0); TCT 1/82(+); SMW Su82(+)

TARGET (Educ'l game)
4)**Subj/Topic:** Fractions **Grades:** 4-10
Description: Given 5 whole numbers, the players try to make 2 fractions whose product equals a given target fraction.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT 1/82(+); SMW Su82(+)

DIVIDE AND CONQUER (Educ'l game)
5)**Subj/Topic:** Fractions **Grades:** 4-10
Description: Practice on relative fraction sizes and idea of possible larger result from dividing by a fraction.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT 1/82(+); SMW Su82(+)

FRACJACK (Educ'l game)
6)**Subj/Topic:** Fractions **Grades:** 4-10
Description: 2 to 4 players; requires addition of fractions with sums greater than 1.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT V8#4(0); TCT 1/82(+); SMW Su82(+)

FAREY SEQUENCES (Educ'l game)
7)**Subj/Topic:** Fractions **Grades:** 4-10
Description: Two students compete to find terms in successive order of Farey sequences.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT 1/82(+); SMW Su82(+)

ARROW PROBLEM (Concept demo)
8)**Subj/Topic:** Fractions **Grades:** 4-10
Description: The student explores sums of infinite series of rational numbers.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT 1/82(+); SMW Su82(+)

TAKE A WALK (Concept demo)
9)**Subj/Topic:** Fractions **Grades:** 4-10
Description: Explores inverses via a graphic presentation of a random walk problem.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT 1/82(+); SMW Su82(+)

CONTINUED FRACTIONS (Concept demo)
10)**Subj/Topic:** Fractions **Grades:** 4-10
Description: Student explores continued fractions, gets experience with limiting processes.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT V8#4(0); TCT 1/82(+); SMW Su82(+)

MIXED NUMBERS (Tutorial)
11)**Subj/Topic:** Fractions **Grades:** 4-10
Description: Gives instruction & practice with translation between improper fractions and mixed numbers.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT 1/82(+); SMW Su82(+)

DIVISION THE SAFE WAY (Tutorial)
12)**Subj/Topic:** Fractions **Grades:** 4-10
Description: Teaches the advantages of measuring division and the common denominator division method.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT 1/82(+); SMW Su82(+)

EQUIVALENT FRACTIONS (Tutorial)
13)**Subj/Topic:** Fractions **Grades:** 4-10
Description: Introduces & gives practice with equivalent fractions, including explanation and student experiment.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT 1/82(+); SMW W82(+); SMW Su82(+)

MULTIPLYING FRACTIONS (Tutorial)
14)**Subj/Topic:** Fractions **Grades:** 4-10
Description: Develops multiplication of fractions using fraction tiles.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT V8#4(0); TCT 1/82(+); SMW Su82(+)

MULTIPLICATION SHORTCUTS (Tutorial)
15)**Subj/Topic:** Fractions **Grades:** 4-10
Description: Introduces & gives practice on changing fractions to higher and lower terms using forms of 1.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT 1/82(+); SMW Su82(+)

DIVISION MEANING (Tutorial)
16)**Subj/Topic:** Fractions **Grades:** 4-10
Description: Introduces & gives practice with the concept that m/n may mean m objects divided into n parts.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT 1/82(+); SMW Su82(+)

PLACEMENT TEST (Test genrat)
17)**Subj/Topic:** Fractions **Grades:** 4-10
Description: Tests student skills taught by other fractions programs from this supplier (see programs for package 61).
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT 1/82(+); SMW Su82(+)

INVADER ATTACK (Educ'l game)
18)**Subj/Topic:** Fractions **Grades:** 4-9
Description: Pract add'g,subtr'g fract'ns & mixed nos. in arcade format; stud't protects space station; 9 difficulty levels.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Zeitgeist $49.50
Rev's: SMW Su82(0)

FRACTION ADDITION (Skills pract)
19)**Subj/Topic:** Fractions **Grades:** 4-9
Description: 20 problems in addition of fractions; elapsed time printed for each problem.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Robert Baker $19.95

FRACTION SUBTRACTION (Skills pract)
20)**Subj/Topic:** Fractions **Grades:** 4-9
Description: 20 problems in subtracting fractions; elapsed time displayed for each problem.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Robert Baker $19.95

FRACTION TO DECIMAL (Skill pract)
21)**Subj/Topic:** Fractions **Grades:** 4-9
Description: 20 problems on conversion of fractions to decimals; gives two tries on each problem.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Robert Baker $19.95

FRACTIONS (Tutorial)
22)**Subj/Topic:** Fractions **Grades:** 4-8
Description: Instruction & practice with concept of fractions; numerous graphic illustrations.
Syst(s): Apple PET TRS-80 TRSCol
Lang/Min Hdwre: BASIC; App+d; PET/TRS+t
Sce: Micro Learningware $7.95
Rev's: CC 10/80

TYPING FRACTIONS (Tutor)
23)**Subj/Topic:** Fractions **Grades:** 12
Description: Typewriter notation practice for mixed fractions such as 2 5/8; intro's Approx Measurement; also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk19,2p]**

DIVISION OF FRACTIONS (Skills pract)
24)**Subj/Topic:** Fractions **Grades:** 4-8
Description: Generates & scores exer's on dividing randomly constructed fractions; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K+t,ptr
Sce: Microphys $20

SUBTRACTION OF FRACTIONS (Skills pract)
25)**Subj/Topic:** Fractions **Grades:** 4-8
Description: Generates & scores exer's on subtracting randomly constructed fractions; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K+t,ptr
Sce: Microphys $20

ADDITION OF FRACTIONS (Skills pract)
26)**Subj/Topic:** Fractions **Grades:** 4-8
Description: Generates & scores exer's on addition of randomly constructed fractions; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K+t,ptr
Sce: Microphys $20

MULTIPLICAT'N OF FRACTIONS (Skills pract)
27)**Subj/Topic:** Fractions **Grades:** 4-8
Description: Generates & scores exer's on multiplying randomly constructed fractions; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap26K+t,ptr
Sce: Microphys $20

FRACTION +&- (Skills pract)
28)**Subj/Topic:** Fractions **Grades:** 4-9
Description: Practice adding & subtracting fractions; gives help after 2 wrong ans's; checks ans reduct'n; on dsk $10.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95
Rev's: SMW Su81(0)

FRAC'NS CONCEPTS & OPER'NS (Tutorial)
29)**Subj/Topic:** Fractions **Grades:** 4-8
Description: Complete computer instructions, record keeping, all operations,number line, word problems.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Math City/Mathware $59

** See Intro. and Sect. II-3.

MATHEMATICS: Fractions (CONT)

FRACTIONS-ADD'N & SUBTR'N (Tutorial)
1)**Subj/Topic:** Fractions **Grades:** 4-8
Description: Diagnostic,tutorial,practice & mastery test functions teach addition& subtr'n of frac's;mult levels;perf reprts.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Sterling Swift $49.95

FRACTIONS-MULT'N& DIVISION (Tutorial)
2)**Subj/Topic:** Fractions **Grades:** 4-8
Description: Diagnostic,tutorial,practice & mastery test functions teach multipl'n& division of frac's;mult levels;perf repts.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Sterling Swift $49.95

MIXNUM (Skills pract)
3)**Subj/Topic:** Fractions **Grades:** 4-7
Description: Practice in changing improper fractions to mixed numbers & vice versa.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $20

FRACTIONS-ADDIT'N & SUBT'N (Skills pract)
4)**Subj/Topic:** Fractions **Grades:** 4-9
Description: Practice adding and subtracting fractions; graphics reinforcers; multiple difficulty levels.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Educat'l Activit's $15.95
Rev's: JRM V1(+)

FRACTIONS-MULTIPLY & DIVID (Skills pract)
5)**Subj/Topic:** Fractions **Grades:** 4-9
Description: Practice multiplying & dividing fractions; graphics reinforcers; multiple difficulty levels.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Educat'l Activit's $15.95
Rev's: JRM V1(+)

%FRACTIONS & MIXED NUMBERS (Skills pract)
6)**Subj/Topic:** Fractions **Grades:** 4-9
Description: Student enters assigned problem & own answers; program checks answer,displays sol'n steps; on dsk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K+d;TRS16K+t
Sce: Educl Micro Systems $24.95
Rev's: ER 81(0); TCT V8#3(+); SMW Su82(+)

EDU-WARE FRACTIONS (Tutorial)
7)**Subj/Topic:** Fractions **Grades:** 4-12
Description: Fractions learning units teach denominators, 4 basic operations; disk: Apple $49, Atari $39.95.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; Ap48K+d; At32K+t
Sce: Edu-Ware Services $29.95
Rev's: SMW Su81(+); PM Su80(+)

CROSSBOW (Educ'l game)
8)**Subj/Topic:** Fractions **Grades:** 4-8
Description: A target game that teaches fractions in an exciting and competitive environment. 3 levels of play.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Hayden Book Co. $9.95
Rev's: TCT 6-7/80

THE PLAYFUL PROFESSOR (Educ'l game)
9)**Subj/Topic:** Fractions **Grades:** 4-9
Description: 1-2 players practice integer & fraction arithmetic; rt. answers allow moves in haunted hse game; 3 diffic levls.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Med Systems Softwe $14.95
Rev's: CC 9/80; S-80 9/80(0)

†%FUN FRACTIONS (Skills pract)
10)**Subj/Topic:** Fractions **Grades:** 4-9
Description: Practice in add'n, subtr'n, mult'n, div'n; sound & color graphics; 3 levels of difficulty; disk $24.95.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 8K+ tape or disk
Sce: Taylormade Softwe $19.95

†UPS 'N DOWNS (Educ'l game)
11)**Subj/Topic:** Fractions **Grades:** 5-8
Description: 10 step staircase - adding fractions on way up, subtracting fractions on way down; must reduce to lowest terms.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET16K/VIC3K+tape
Sce: Micro-Ed $14.95

†ON THE LINE (Skills pract)
12)**Subj/Topic:** Fractions **Grades:** 5-8
Description: Mixed nos. & improper fractions appear on football jersies; must identify a number's other name.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC3K+tape
Sce: Micro-Ed $14.95

†PAIL GREEN (Educ'l game)
13)**Subj/Topic:** Fractions **Grades:** 5-8
Description: Go to well, lower pail; if you are math-perfect on matching equal fractions, you'll scoop all dollars.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC3K+tape
Sce: Micro-Ed $14.95

FRACTION X (Skills pract)
14)**Subj/Topic:** Fractions **Grades:** 5-8
Description: Multipl of fractions; tutorial after 2 wrong; checks ans reduction; can change max denomin'r; on dsk $10.95.
Syst(s): PET CBM
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95

COMPARE FRACTIONS (Skills pract)
15)**Subj/Topic:** Fractions **Grades:** 5-8
Description: Exer's on relative fraction size; denoms to 8; includes tutorial on x-mult'g to compare; disk version $10.95.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95

MULTIPLYING FRACTIONS (Skills pract)
16)**Subj/Topic:** Fractions **Grades:** 5-8
Description: Pract cancel'g,reduc'g,multipl'g fractions; all work on screen; immed error flag'g,remediat'n; perf reports.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: P/TR16K+t;Ap48K+d
Sce: Micrcomp Workshops $20

ADDING FRACTIONS (Skills pract)
17)**Subj/Topic:** Fractions **Grades:** 5-8
Description: Pract adding fractions; vertical & horiz versions;all work on screen; immed error flagging; performance reports.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: P/TR16K+t;Ap48K+d
Sce: Micrcomp Workshops $20

†FRACTIONS PACKAGE I (Skills pract)
18)**Subj/Topic:** Fractions **Grades:** 5-14
Description: Practice in renaming fractns in higher/lower terms or mixed; improper numbers, divisibility & factoring.
Syst(s): PET TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Educational Softwe $23.95

†FRAX - PRAC I & II (Skills pract)
19)**Subj/Topic:** Fractions **Grades:** 5-12
Description: Provides student with practin fractions; two programs.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K+ disk or tape
Sce: Edco $50

COMPARE FRACTIONS II (Skills pract)
20)**Subj/Topic:** Fractions **Grades:** 6-12
Description: Student tells relative size of fractions with denom. to 24; "Help" gives tutorial; 1-4 stud'ts; disk $10.95.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95

FRACTIONS-A REVIEW COURSE (Tutorial)
21)**Subj/Topic:** Fractions **Grades:** 7-12
Description: 15 disks that provide 3 different programs in basic and remedial instruction on fractions.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: BLS/Random House $765

†MATH HUNT:WRLD ARD US,GEOG (Educ'l game)
22)**Subj/Topic:** Fractions **Grades:** 7-12
Description: 4 stu'ts work to solve problems with fractions & factors; game format; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t,24K+d;padls
Sce: Edupro $19.95

Logic

GERTRUDE'S SECRETS (Educ'l game)
23)**Subj/Topic:** Logic **Grades:** K-3
Description: Students solve puzzles by moving colored shapes on screen; builds ordering, sequencing, other logic skills.
Syst(s): Apple TRSCol
Lang/Min Hdwre: BASIC; Ap48K/TRSC32K+dsk
Sce: The Learning Co. $39.95
Rev's: MUN 11/82(+); SMW W83(+)

GERTRUDE'S PUZZLES (Educ'l game)
24)**Subj/Topic:** Logic **Grades:** K-3
Description: Students solve puzzles by moving colored shapes on screen; builds deductive,problem-solving & logic skills.
Syst(s): Apple TRSCol
Lang/Min Hdwre: BASIC; Ap48K/TRSC32K+dsk
Sce: The Learning Co. $39.95
Rev's: MUN 11/82(+); SMW W83(+)

%FANCY FROGS (Educ'l game)
25)**Subj/Topic:** Logic **Grades:** 1-12
Description: Sequencing game which helps develop logic, foresight & problem-solving skills; uses color graphics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Teck Associates $19.95 [pk59,14p]**

STONES (Educ'l game)
26)**Subj/Topic:** Logic **Grades:** 3-12
Description: Logic game in which user tries to pick up last stone; variation of Nim.
Syst(s): Apple PET TRS-80 TRSCol
Lang/Min Hdwre: BASIC; App+d; PET/TRS+t
Sce: Micro Learningware $7.95
Rev's: CC 10/80

BAGELS (Educ'l game)
27)**Subj/Topic:** Logic **Grades:** 3-9
Description: Logic game in which the student tries to guess a 3-digit number with clues given by the computer.
Syst(s): Apple PET TRS-80 TRSCol
Lang/Min Hdwre: BASIC; App+d; PET/TRS+t
Sce: Micro Learningware $7.95
Rev's: CC 10/80

BAGELS (Educ'l game)
28)**Subj/Topic:** Logic **Grades:** 3-7
Description: Computer randomly selects a 2-4 digit number for student to guess; computer gives logical clues.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk73,8p]**
Rev's: MJ W81(0); JRM V1(+)

REVERSE (Educ'l game)
29)**Subj/Topic:** Logic **Grades:** 3-12
Description: Graphics & sound add interest to challenging exercise in math porblem solving; disk version $19.95.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Edu-Soft $14.95 [pk78,2p]**

%BAGLES (Educ'l game)
30)**Subj/Topic:** Logic **Grades:** 4-10
Description: Number guessing game; develops problem-solving skills based on logical clues.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Teck Associates $19.95 [pk59,14p]**

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

MATHEMATICS: Logic (CONT)

MOPTOWN (Educ'l game)
1)**Subj/Topic:** Logic **Grades:** 4-12
Description: 11 different games to give students practice with logic and reasoning skills; color graphics; 11 diffic levels.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: The Learning Co. $50
Rev's: SMW Su82(+); CCN V3#2(+); EL V2#3(+)

ROCKY'S BOOTS (Educ'l game)
2)**Subj/Topic:** Logic **Grades:** 4-12
Description: Players build logic machines to score points in arcade game; use conventional symbols for AND, OR, and NOT.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: The Learning Co. $49.95
Rev's: SMW W83(+); IW 9/6/82(+); CMP 10/82

BAGELS (Educ'l game)
3)**Subj/Topic:** Logic **Grades:** 4-6
Description: Logic & reasoning exercise in which computer selects 3 digit number; student has 18 tries to guess number.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+disk
Sce: T.I.E.S. $49.95 [pk120,4p]**

%LOGIC AND DEDUCTION (Educ'l game)
4)**Subj/Topic:** Logic **Grades:** 4-12
Description: Modified version of Mastermind; student deduces numerical code hidden by computer; disk version $29.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Educl Micro Systems $24.95
Rev's: TCT V8#3(+); ER 81(0); SMW Su82(+)

†CODEWORD (Educ'l game)
5)**Subj/Topic:** Logic **Grades:** 6-10
Description: Practice in logical thinking by solving 5-letter codeword; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape or disk
Sce: H.E.L. Laborator's $11.95

Measurement

METRIC ROADRUNNER (Educ'l game)
6)**Subj/Topic:** Measurement **Grades:** 3-9
Description: Player tries to catch the Roadrunner by correctly estimating distance to him in centimeters.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95
Rev's: SMW Su81(0)

ESTIMATE (Skills pract)
7)**Subj/Topic:** Measurement **Grades:** 4-6
Description: Students have 2 guesses to estimate lengths of random line segments in centimeters.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+disk
Sce: T.I.E.S. $49.95 [pk120,4p]**

†METRICS (Tutorial)
8)**Subj/Topic:** Measurement **Grades:** 4-7
Description: Teaches metric units of linear measurement; practice in measuring; w/ scored test; meter tape & guide includ.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K+d;TRS32K+t
Sce: Spectrum Software $28

METRIC CONVERTER (Computl tool)
9)**Subj/Topic:** Measurement **Grades:** 4-10
Description: Menu selections by user for Metric-English/English-Metric conversions in 6 categories of weights & measures.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Color Sftwe Svcs $12.95

†METRIC (Skills pract)
10)**Subj/Topic:** Measurement **Grades:** 4-12
Description: Stud'ts with some working knowledge of metric system get further practice.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K+disk or tape
Sce: Edco $25

METRIC TREK (Educ'l game)
11)**Subj/Topic:** Measurement **Grades:** 4-12
Description: Space game: shooting, sound, timed scores, metric estimates, multiplayer, selectable difficulty.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + tape
Sce: Meta-Designed Soft $9.95

MEASUREMENTS (Tutorial)
12)**Subj/Topic:** Measurement **Grades:** 4-6
Description: Common measures plus formulas for perimeter, areas, volume & measure of squares,triangles&circles; also on dsk.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Right On Programs $15

CURIOUS MEASUREMENTS (Educ'l game)
13)**Subj/Topic:** Measurement **Grades:** 4-10
Description: Number guessing game with English dimensions; demonstrates advantages of the metric system.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $175 [pk61,24p]**
Rev's: TCT 1/82(+); SMW Su82(+)

METRIC BLACKJACK (Educ'l game)
14)**Subj/Topic:** Measurement **Grades:** 4-9
Description: Student plays against computer; decides whether to take hit by estimating line lengths in cms to get value.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

METRIC ESTIMATE (Skills pract)
15)**Subj/Topic:** Measurement **Grades:** 4-7
Description: Timed practice in estimating the lengths of line segments in centimeters & millimeters.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk73,11p]**
Rev's: JRM V1(+)

MEASURES DRILL & PRACTICE (Skills pract)
16)**Subj/Topic:** Measurement **Grades:** 5-9
Description: Drill & practice on metric & English systems; conversion between units of distance, wgt, & dry/liquid measures.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Mic'comp Soft Sys $25

APPROXIMATE MEASUREMENT 1 (Tutorial)
17)**Subj/Topic:** Measurement **Grades:** 5-12
Description: The student learns that a measurement is reported depending on the precision of one's tool; also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk19,2p]**

SMALLEST UNIT OF MEASURE (Tutorial)
18)**Subj/Topic:** Measurement **Grades:** 5-12
Description: Explains concept of smallest unit indicated by reported measure & gives pract in game format; dsk vers available.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk111,2p]**

APPROXIMATE MEASUREMENT 2 (Tutorial)
19)**Subj/Topic:** Measurement **Grades:** 6-12
Description: Given a ruler with markings, the student will create the longest and shortest segm't - 2 in.; also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk20,2p]**
Rev's: SMW W83(+)

METRIC LENGTH (Skills pract)
20)**Subj/Topic:** Measurement **Grades:** 6-9
Description: Practice converting from one metric unit to another using centimeters and millimeters.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk73,11p]**
Rev's: MJ W81(+); JRM V1(0)

†METRICS AND YOU (Tutorial)
21)**Subj/Topic:** Measurement **Grades:** 7-14
Description: Learn the metric system as it relates to everyday tasks of buying; the metric system is here! On disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†METRIC/ENGLISH CONVERSIONS (Skills pract)
22)**Subj/Topic:** Measurement **Grades:** 7-12
Description: Practice solving conversions from E to M, M to E & w/in both systems; wtg, liquid, volume, temperature & length.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Concept Educ'l Sft $30

Number Senten's

†%MATH BALANCE (Skills pract)
23)**Subj/Topic:** Number Senten's **Grades:** 2-4
Description: Practice in concept of equality; displayed Pan balance reinforcement; student supplies missing value.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Athena Software $6.95

†CATERPILLAR 500 (Educ'l game)
24)**Subj/Topic:** Number Senten's **Grades:** 3-5
Description: Solve expressions like (8 x -) + 3=59 & earn 7 laps around racetrack; clock records time for 100 laps.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC5K+tape
Sce: Micro-Ed $14.95

COMPLEX MATHEMATICS (Tutorial)
25)**Subj/Topic:** Number Senten's **Grades:** 3-6
Description: Contains 8 programs that give the user the ability to perform computations of complex numbers.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 32K + tape
Sce: Hayden Book Co. $14.95

†MATH GOLF (Educ'l game)
26)**Subj/Topic:** Number Senten's **Grades:** 4-6
Description: Practice in forming equations with different math operations; try to be better than par.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET 8K/VIC5K+tape
Sce: Micro-Ed $14.95

Numeration

†%COUNT THE SQUARES (Rote drill)
27)**Subj/Topic:** Numeration **Grades:** K-2
Description: Teaches counting & reinforces familiarity with keyboard; 2 difficulty levels.
Syst(s): Apple Com 64 CBM PET
Lang/Min Hdwre: BASIC; PET8K+t,all 16K+d
Sce: Lane Robbins $9.95

†%HOW MANY SQUARES (Rote drill)
28)**Subj/Topic:** Numeration **Grades:** K-2
Description: To follow Count the Squares; requires counting total number of squares; 2 difficulty levels.
Syst(s): Apple Com 64 CBM PET
Lang/Min Hdwre: BASIC; PET8K+t,all 16K+d
Sce: Lane Robbins $9.95

†FACTS MATCH DIVISION (Rote drill)
29)**Subj/Topic:** Numeration **Grades:** K-2
Description: In game-like setting, student matches numerals with word names & combination; 3 levels of difficulty.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Bertamax $29.50

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

MATHEMATICS: Numeration (CONT)

†COUNTER (Skills pract)
1)**Subj/Topic:** Numeration **Grades:** K-2
Description: Learn to count to 15; colors & happy sounds capture attention; displays objects; controllers required.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Prog Exchng $29.95

MATH HUNT:NUMBER RELATNSHP (Educ'l game)
2)**Subj/Topic:** Numeration **Grades:** K-3
Description: 4 stud'ts together solve problems involving no. rel'shps;race track search, maze & team formats; disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;joyst
Sce: Edupro $19.95

†MATH RACE:NUMBERS RELAT'N (Educ'l game)
3)**Subj/Topic:** Numeration **Grades:** K-3
Description: 8 students together solve races involving number relatioships; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;padls
Sce: Edupro $19.95

†COUNT (Skills pract)
4)**Subj/Topic:** Numeration **Grades:** K-2
Description: Child counts objects; progrm continuously adjusts to child's level; error produces hint: rising tones 'count'.
Syst(s): Apple TRSCol
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: J.B. Hirsch $20

†JACK & JILL GO TO SCHOOL (Skills pract)
5)**Subj/Topic:** Numeration **Grades:** K-1
Description: Practice in counting given by Jack & Jill; sound and graphics.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Comp Lrg Ctr Child $10.95

NUMBER/NUMERAL (Skills pract)
6)**Subj/Topic:** Numeration **Grades:** K-1
Description: Student counts & enters number of stars displayed (1 to 10); if correct, acrobat does somersault;perf report.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Little Bee $10.95
Rev's: TCT 12/81(-)

NUMBER TREE (Skills pract)
7)**Subj/Topic:** Numeration **Grades:** K-1
Description: Drill on number words; if user enters numeral corres. to word, tree fills with that number of numerals.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Little Bee $10.95

WHICH NUMBER COMES NEXT? (Rote drill)
8)**Subj/Topic:** Numeration **Grades:** K-2
Description: Displays 3 numbers 1-20 in sequence, followed by a blank; pupil points to next number; reports perform'nc.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K+tape,light pen
Sce: Micro-Ed $7.95

COUNT 'EM (Rote drill)
9)**Subj/Topic:** Numeration **Grades:** K-1
Description: 1 to 10 locomotives appear on screen; pupil counts them & types in number; graphics reinforcers; perf report.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET8K/VIC5K+tape
Sce: Micro-Ed $7.95

WHAT NUMBER IS MISSING? (Skills pract)
10)**Subj/Topic:** Numeration **Grades:** K-1
Description: Digits from 1 to 9 appear in sequence with one missing; the pupil enters the missing digit; reports perf.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

LOCOMOTIVE (Skills pract)
11)**Subj/Topic:** Numeration **Grades:** K-2
Description: Displays 1 to 10 locomotives on screen; pupil counts them & points to the number with light pen; reports perf'c.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K+tape,light pen
Sce: Micro-Ed $7.95

EARLY ELEMENTARY I (Rote drill)
12)**Subj/Topic:** Numeration **Grades:** K-2
Description: 4 programs for very young stud'ts to give pract in recognizing numbers, shapes & colors; incl teacher file.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Compu-Tations $29.95
Rev's: CRC V1#1(+)

COUNTING FUN (Skills pract)
13)**Subj/Topic:** Numeration **Grades:** K
Description: Drill on numeral recognition and counting 1 to 9; uses music and a light show as rewards.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Edutek Corp. $15

COUNT TO 10 (Skills pract)
14)**Subj/Topic:** Numeration **Grades:** K
Description: Drill on numeral recognition and counting to 10; the pupil controls dancing, colored squares.
Syst(s): Apple
L-ng/Min Hdwre: BASIC; 16K+dsk,joysticks
Sce: Edutek Corp. $15

NUMBERS (Rote drill)
15)**Subj/Topic:** Numeration **Grades:** K-1
Description: A numeral is displayed; the student must select the matching numeral from a list.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $10

LOOK AND COUNT I (Skills pract)
16)**Subj/Topic:** Numeration **Grades:** K-1
Description: Student counts how many objects are on screen; up to 5 objects.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $10

LOOK AND COUNT II (Skills pract)
17)**Subj/Topic:** Numeration **Grades:** K-1
Description: Student counts how many objects are on the screen; up to 10 objects.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $10

COSHAPE (Skills pract)
18)**Subj/Topic:** Numeration **Grades:** K-1
Description: The student must count the number of shapes of one kind that appear on the screen.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $10

NUMBER WORDS - LEVEL I (Rote drill)
19)**Subj/Topic:** Numeration **Grades:** K-1
Description: Matching number words to numerals for 1-9, 10's, 20-50, 51-100. Stores & reports student performance.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Hartley Courseware $26.95

NUMERAL RECOGNITION (Rote drill)
20)**Subj/Topic:** Numeration **Grades:** K-2
Description: Exercise to familiarize child with numerals 1 through 9; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk49,5p]**

HOW MANY? (Skills pract)
21)**Subj/Topic:** Numeration **Grades:** K-3
Description: Prints blocks on screen; child counts blocks & enters number; multiple difficulty levels; on disk $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk50,5p]**

GUESS THE NUMBER (Educ'l game)
22)**Subj/Topic:** Numeration **Grades:** 1-9
Description: Graphics & sound features of game help student master the relative size of numbers; disk version $19.95.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Edu-Soft $14.95 [pk78,3p]**

MATH FACTS LEVEL II (Skills pract)
23)**Subj/Topic:** Numeration **Grades:** 1-3
Description: Practice on number sequences & greater/less than to 100; also 2- & 3-col addn,subtn;auto promot'n,rev'w;dsk$25.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 24K+tape;32K+disk
Sce: T.H.E.S.I.S. $20

†NUMBER - ROTATION (Educ'l game)
24)**Subj/Topic:** Numeration **Grades:** 1-12
Description: Practice in number sequence 1 - 20; 9 levels of difficulty.
Syst(s): CP/M
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Generic Software $19.95

†PRE-MULTIPLICATION (Skills pract)
25)**Subj/Topic:** Numeration **Grades:** 1-3
Description: Practice in countng by 2's, 3's, 4's, 5's; errors automatically cause re-presentation of problem.
Syst(s): Apple TRSCol
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: J.B. Hirsch $20

NUMBER (Educ'l game)
26)**Subj/Topic:** Numeration **Grades:** 1-6
Description: Logic game; the computer picks a number to be guessed & gives clues of "too high" or "too low".
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk73,11p]**
Rev's: MJ W81(0); JRM V1(+)

COUNTING NUMBERS < 101 (Skills pract)
27)**Subj/Topic:** Numeration **Grades:** 1-2
Description: Colored rectangles "pop" to music; helps learn counting to 100.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Edutek Corp. $15

FINGER ABACUS (Educ'l game)
28)**Subj/Topic:** Numeration **Grades:** 1-4
Description: Learn to read the finger abacus. With correct response, player gets music & colorful graphics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Edutek Corp. $10
Rev's: JRM V1(0)

COUNTING BY * (Skills pract)
29)**Subj/Topic:** Numeration **Grades:** 2-3
Description: Reinforces multiplication facts; pupil counts by 2's,3's, 5's, 10's; uses color graphics & music as rewards.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Edutek Corp. $20

†MATH RACE:AMER THEME,# RRL (Educ'l game)
30)**Subj/Topic:** Numeration **Grades:** 2-7
Description: 8 students simultaneously race across their tracks building their skills w/ number relationships; d $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;padls
Sce: Edupro $19.95

PRIME NUMBER (Skills pract)
31)**Subj/Topic:** Numeration **Grades:** 3-6
Description: Grid of numbers 1 to 100; one number selected at random; must identify number as prime or composite.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

† This is a new entry in THE SOFTWARE FINDER. ** See Intro. and Sect. II-3.

MATHEMATICS: Numeration (CONT)

PLACE VALUE (Tutorial)
1)**Subj/Topic:** Numeration **Grades:** 3-9
Description: Instruction & practice on the basics of the decimal number system and place value; graphics cues.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8KPET/16KAp,TRS+t
Sce: Micro Learningware $7.95
Rev's: SMW Su81(-); CC 10/80

NUMBER MATCH (Rote drill)
2)**Subj/Topic:** Numeration **Grades:** K-3
Description: Develops the concept of number by matching numeral with domino pattern & then set of objects;dsk ver $29.50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+t/d
Sce: Bertamax $19.80

ROUND (Skills pract)
3)**Subj/Topic:** Numeration **Grades:** 3-7
Description: Practice rounding numbers to the nearest ten, hundred, thousand, etc.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk73,11p]**
Rev's: MJ W81(+); JRM V1(+)

TAKE 'EM (Educ'l game)
4)**Subj/Topic:** Numeration **Grades:** 3-10
Description: Match wits with computer. See who can take the last stone. Requires player to manipulate numbers in base 2.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Edutek Corp. $20

†%PRIME NUMBERS (Tutorial)
5)**Subj/Topic:** Numeration **Grades:** 3-7
Description: Teaches factors & prime numbers at student controlled pace; prime number generator included.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Athena Software $6.95

PLACE VALUE (Skills pract)
6)**Subj/Topic:** Numeration **Grades:** 4-9
Description: Practice naming digit place values, also in rounding to a specified place value; reports student performance.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2.1
Sce: Indian Head Softwe $5.95

SETS AND NUMBERS (Skills pract)
7)**Subj/Topic:** Numeration **Grades:** 4-9
Description: Scored pre-test, then practice on sets and numbers; uses graphics.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95
Rev's: SMW Su81(-)

%20 QUESTIONS (Educ'l game)
8)**Subj/Topic:** Numeration **Grades:** 4-9
Description: Number guessing game; gives practice in use of < & > symbols, problem-solving & binary search strategies.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Teck Associates $19.95 [pk59,14p]**

SETS (Tutorial)
9)**Subj/Topic:** Numeration **Grades:** 4-6
Description: Intro to basic concepts of sets - what they are & how they are used; relat'shp to "real life"; also on disk.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Right On Programs $15

PRIMES AND COMPOSITES (Tutorial)
10)**Subj/Topic:** Numeration **Grades:** 6-10
Description: Introduces the concept of primes and gives practice finding the 1st 6 primes and factoring to 288.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d;others16K
Sce: Quality Educ Designs $90 [pk60,12p]**
Rev's: TCT V8#4(0); TCT 1/82(+); SMW Su82(+)

†MATH RACE:WRLD AR US,# REL (Educ'l game)
11)**Subj/Topic:** Numeration **Grades:** 7-12
Description: 8 students work together on no progressions & other numerical relationships; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d
Sce: Edupro $19.95

NUMBER BASE CONVERSION (Tutorial)
12)**Subj/Topic:** Numeration **Grades:** 8-12
Description: Number converstion from and to base 2, 8, 10, or 16. Can add & subtract numbers between bases.
Syst(s): Atari TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Demi-Software $9.95

Ratio/Proport'n

CHEMIST (Educ'l game)
13)**Subj/Topic:** Ratio/Proport'n **Grades:** 5-9
Description: The student must use ratios to find ans & avoid being blown up; gives help is stud't loses; disk vers'n $10.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95 [pk11,3p]**

PROPORTION PROBLEMS (Skills pract)
14)**Subj/Topic:** Ratio/Proport'n **Grades:** 6-10
Description: Generates & scores exer's involving proportional relat'nships of the form x/a=b/c; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K+t,ptr
Sce: Microphys $20

Time & Distance

HICKORY DICKORY (Skills pract)
15)**Subj/Topic:** Time & Distance **Grades:** K-5
Description: Gives time on clock face; student enters digital time via keyboard or joystick;6 diffic levels, perf reports.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+tape;jstk opt
Sce: Atari Prog Exchng $15.95

CLOCK (Skills pract)
16)**Subj/Topic:** Time & Distance **Grades:** 1-3
Description: Practice telling time on the hour & half hour; multiple clock faces displayed; reports pupil performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

TELLING TIME COMPUTER SET (Tutorial)
17)**Subj/Topic:** Time & Distance **Grades:** K-3
Description: Explains how to tell time; students learn how to read minutes as well as hours; gives practice; disk vers'n $34.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Orange Cherry Med $28

†HOUR CLOCK (Skills pract)
18)**Subj/Topic:** Time & Distance **Grades:** K-2
Description: Learn reading hours; only 2 activities: selecting time to match clock & a timed game to select correct time.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Bertamax $24.80

†HALF-HOUR CLOCK (Skills pract)
19)**Subj/Topic:** Time & Distance **Grades:** K-2
Description: Learn reading clock face to tell time to the half hour; 2 parts: the half-hour clock & time out game.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Bertamax $24.80

†QUARTER-HOUR CLOCK (Skills pract)
20)**Subj/Topic:** Time & Distance **Grades:** K-2
Description: Learn reading clock face to tell time to quarter hour; 2 parts: quarter hour clock & time out game.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Bertamax $24.80

DIRECTION AND DISTANCE (Skills pract)
21)**Subj/Topic:** Time & Distance **Grades:** 1-3
Description: Practice identifying 8 compass directions and estimating distance on the screen.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

TELLING TIME (Skills pract)
22)**Subj/Topic:** Time & Distance **Grades:** 1-6
Description: Using clock face, students learn to tell time; 4 levels of practice are provided: hours,half, quarter & 5 min.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K,TRS32K+disk
Sce: Comp Cseware Srvcs $55

A CLOCK GAME (Educ'l game)
23)**Subj/Topic:** Time & Distance **Grades:** 1-4
Description: Win play money by telling time. Excellent to reinforce & review time telling skills.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Edutek Corp. $25

CONCEN TIME (Educ'l game)
24)**Subj/Topic:** Time & Distance **Grades:** 1-4
Description: Version of Concentration in which times are matched; 2 players; five difficulty levels.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $30

CLOCK (Skills pract)
25)**Subj/Topic:** Time & Distance **Grades:** 1-4
Description: Practice telling time on digital & traditional clocks; color graphics; stores, reports student perform'nc.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Hartley Courseware $39.95
Rev's: PM Sp80(+); SMW W82(0); JCR V1#1(+)

†TELLING TIME (Tutorial)
26)**Subj/Topic:** Time & Distance **Grades:** 1-3
Description: Provides intro to basic concepts of clock & telling time; traditional/digital clocks; w/ game; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap16K+d;PET8K+t
Sce: Right On Programs $13

CALENDAR TIC-TAC-TOE (Educ'l game)
27)**Subj/Topic:** Time & Distance **Grades:** 2-4
Description: 1 or 2 players put X's in Tic-Tac-Toe boxes by answer'g quests about days of week & month; reports performance.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Little Bee $10.95

%LEARN TO TELL TIME (Skills pract)
28)**Subj/Topic:** Time & Distance **Grades:** 2-6
Description: Student presented with clock showing various times; graphics & sound help students to learn.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DISK
Sce: Bipacs $49

USING A CALENDAR (Tutorial)
29)**Subj/Topic:** Time & Distance **Grades:** 2-5
Description: Beginning calendar skills; illus. calendar, gives info. questions; teacher can create own calendar,questions.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+Applesoft,dsk
Sce: Hartley Courseware $39.95

†CLOCKFACE (Skills pract)
30)**Subj/Topic:** Time & Distance **Grades:** K
Description: Shows clock face w/ ramdomly placed hands; student may set clock, run it, or request dig/verbal time; on dsk$20.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; TRS+t;others+disk
Sce: Cybernetic Info $20

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

MATHEMATICS: Time & Distance (CONT)

%CLOCKS (Educ'l game)
1)**Subj/Topic:** Time & Distance **Grades:** 3-9
Description: Time guessing game; gives practice in drawing inferences & problem-solving as well as work'g with time units.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Teck Associates $19.95 [pk59,14p]**

U.S. TIME ZONES (Skills pract)
2)**Subj/Topic:** Time & Distance **Grades:** 4-8
Description: Practice giving the time in five different time zones; reports student performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95

Word Problems

STORY PROBS IN ADD'N/SUB'N (Skills pract)
3)**Subj/Topic:** Word Problems **Grades:** 1-6
Description: Assorted story problems in addition & subtraction about Great Castle, lords & knights; reports performance.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $7.95
Rev's: SMW Su81(0)

PROBLEM SOLVING MATH LEV 3 (Skills pract)
4)**Subj/Topic:** Word Problems **Grades:** 3
Description: 60 lessons in 22 programs, student's manual; has mystery stories, vocabulary,other prgs. Dsk:Ap$216 TRS$200.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; TRS16K+t; Ap32K+d
Sce: Bertamax $245.50

MATH WORD PROBLEMS (Tutorial)
5)**Subj/Topic:** Word Problems **Grades:** 3-6
Description: Instruction & practice on solving arithmetic word problems; six programs.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Mentor Software $54.95

†SOLVING WORD PROBLEMS I&II (Tutorial)
6)**Subj/Topic:** Word Problems **Grades:** 3-5
Description: 2 progs show word problem procedure; has student mgt syst & guide, work sheets; ea prog $24.95, disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†PROB SOLVING IN MATH LEV 4 (Skills pract)
7)**Subj/Topic:** Word Problems **Grades:** 3-5
Description: 60 lessons, 10 mystery stories to solve, 10 vocab lessons, 40 problem solver lessons; Ap $215.50.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Bertamax $199.50

†ELEMENTRY MATH WORD PROBLS (Skills pract)
8)**Subj/Topic:** Word Problems **Grades:** 3-6
Description: Practice programs help student recognize type of math needed to solve word problem.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K+ disk or tape
Sce: Edco $25

READ & SOLVE MATH PROBLEMS (Tutorial)
9)**Subj/Topic:** Word Problems **Grades:** 4-6
Description: 10 prog's teach converting from word to no. probs & to solve; animated reinforcers; auto promot;on dsk $39.95.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Educat'l Activit's $78
Rev's: CRC V1#1(-)

†PROB SOLVING IN MATH LEV 5 (Skills pract)
10)**Subj/Topic:** Word Problems **Grades:** 4-6
Description: 60 lessons, 10 mystery stories to solve, 10 vocab lessons, 40 problem solver lessons; Ap $215.50.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Bertamax $199.50

†PROBLEM SOLVING (Tutorial)
11)**Subj/Topic:** Word Problems **Grades:** 4-6
Description: Intro to simple basics of problem solving; various ways of writing math probs; w/ randomized game; disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap16K+d;PET8K+t
Sce: Right On Programs $13

†PROB SOLVING IN MATH LEV 6 (Skills pract)
12)**Subj/Topic:** Word Problems **Grades:** 5-7
Description: 60 lessons, 10 mystery stories to solve, 10 vocab lessons, 40 problem solver lessons; Ap 215.50.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Bertamax $199.50

PROBLEM SOLVING PROCESS (Skills pract)
13)**Subj/Topic:** Word Problems **Grades:** 6-12
Description: Tests ability to analyze & check math problems faced in everyday life.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $44.95 [pk0,4p]**

%TIME-RATE-DISTANCE (Skills pract)
14)**Subj/Topic:** Word Problems **Grades:** 6-7
Description: Separate drills on distance, rate & time problems. Final drill on mixed problems. True motion displays.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2/3.3
Sce: EduTech $65

†SECONDARY MATH WORD PROBLS (Skills pract)
15)**Subj/Topic:** Word Problems **Grades:** 7-12
Description: Stud'ts practice math word problems with 10 problems; help segment given for incorrect answers.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K+ disk or tape
Sce: Edco $25

MATHEMATICS: Algebra

GUESS THE RULE (Educ'l game)
16)**Subj/Topic:** Algebra **Grades:** 3-12
Description: Teaches concepts of ordered pairs & functions in arcade style; uses linear, 2nd deg polynom'ls; on dsk $19.95.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 16K+tape;TRS M1/3
Sce: Edu-Soft $14.95 [pk79,2p]**
Rev's: CC 9/80; TCT V8#6(+)

FIND THE FACTORS (Educ'l game)
17)**Subj/Topic:** Algebra **Grades:** 4-12
Description: Given the sum & product of 2 nos., stud't tries to find the nos.;3 levels: 1-10,1-100,neg nos.; on disk $10.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Teacher's Pet $7.95
Rev's: SMW Su81(0)

†%ALGEBRA (Tutorial)
18)**Subj/Topic:** Algebra **Grades:** 4-10
Description: To teach how to solve simple equations; instructions explain a method of solving an equation like ax + b = c.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; VIC 5K + tape
Sce: Athena Software $6.95

†%ALGEBRA (Educ'l game)
19)**Subj/Topic:** Algebra **Grades:** 4-10
Description: On screen instructions explain a method of solving AxB=C; timed quiz of 5 random problems follows.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Athena Software $6.95

LESSONS IN ALGEBRA (Tutorial)
20)**Subj/Topic:** Algebra **Grades:** 6-12
Description: Written by a practicing Algebra teacher. This tutorial teaches the beginning elements of Algebra.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 48K + disk
Sce: George Earl $29.95
Rev's: PM Su80(0); SMW Su82(+); CRC V1#1(+)

†%QUADRATIC EQUATION (Educ'l game)
21)**Subj/Topic:** Algebra **Grades:** 6-12
Description: Student calulates the 2 answers for equations of the form Ax+Bx+C-0; answers are random intergers.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Athena Software $7.95

THE SUPERPLOTTER (Teacher aid)
22)**Subj/Topic:** Algebra **Grades:** 7-12
Description: Graphs, overheads, pie, bar-point, line, polynomial curvefit, function plots, overlays, data file editing.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Dickens Data Systs $69.95

EQUATIONS (Skills pract)
23)**Subj/Topic:** Algebra **Grades:** 7-10
Description: Pract solving equations of form AX+B=C; step-by-step sol'n on screen; immed error flagging, corrective feedback.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Micrcomp Workshops $24.95
Rev's: SMW Su82(+)

PLOT (Computl tool)
24)**Subj/Topic:** Algebra **Grades:** 7-12
Description: Quickly & accurately demonstrates graph of any funct'n;use to teach linear,trig funct'ns, etc; on dsk $19.95.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 16K+tape;TRS M1/3
Sce: Edu-Soft $14.95 [pk79,2p]**
Rev's: TCT V8#6(+); MJ V3#1; CC 9/80

%ALGEBRA (Skills pract)
25)**Subj/Topic:** Algebra **Grades:** 7-11
Description: Practice on signed integers, factor'g, set op'ns, & linear & quadratic equat'ns; 7 prgs; on individ tapes $29.95.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Tycom Associates $19.95
Rev's: CC 1/81(-)

†PROBLEM SOLVING IN ALGEBRA (Tutorial)
26)**Subj/Topic:** Algebra **Grades:** 7-12
Description: Designed to help students translate word probs to approp equations for solution -38 lessons: w/BkUpDsk $454.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Encyclopedia Britt $329

†ALGEBRA PACKAGE I (Skills pract)
27)**Subj/Topic:** Algebra **Grades:** 7-14
Description: Practice in signed operations, intro to coordinate graphing, slope & proper-ties of math.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Educational Softwe $23.95

†ALGEBRA PACKAGE II (Skills pract)
28)**Subj/Topic:** Algebra **Grades:** 7-14
Description: Practice covering exponents, metric system, order of operations & simplifying number expressions.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Educational Softwe $23.95

†ALGEBRA I, II, & III (Skills pract)
29)**Subj/Topic:** Algebra **Grades:** 7-12
Description: Practice solving linear equations w/ 1 & 2 unknowns; solving 2nd degree equations w/ 2 unknowns.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Concept Educ'l Sft $65

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

MATHEMATICS: Algebra (CONT)

MYSTERY FUNCTION (Educ'l game)
1)**Subj/Topic:** Algebra **Grades:** 8-12
Description: The student tries to identify a function by entering values for the unknown & getting back value of function.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Indian Head Softwe $3.95

ALGEBRA I DRILL-LINEAR EQS (Skills pract)
2)**Subj/Topic:** Algebra **Grades:** 8-10
Description: 9 programs give practice solving linear equations; difficulty varies from 1 to 4 linear forms.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Mic'comp Soft Sys $35

COMPUTER GRAPHING EXPERS I (Computl tool)
3)**Subj/Topic:** Algebra **Grades:** 8-12
Description: Student explores graphs of linear,quadrat,absolute value,polynomial, exponential & log functions, inequalities.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.3
Sce: Addison-Wesley $45

BASIC ALGEBRA (Tutorial)
4)**Subj/Topic:** Algebra **Grades:** 8-11
Description: Complete survey course from sets through trignometric equations; requires Educ'l Syst Master Cartr'dg @ $30.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Atari Inc. $29.95

%ALGEBRAIC FACTORING (Tutorial)
5)**Subj/Topic:** Algebra **Grades:** 8-12
Description: Review and practice on six methods of factoring polynomials; gives explanations, also quizzes.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Basics & Beyond $24.95 [pk15,20p]**

TICTACPET (Educ'l game)
6)**Subj/Topic:** Algebra **Grades:** 8-10
Description: 2 students or teams solve linear equations on Tic Tac Toe grid; 9 levels of difficulty.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: N.C.C.C.D. $5
Rev's: SMW Su81(+)

%SQ. BINOMIALS (Skills pract)
7)**Subj/Topic:** Algebra **Grades:** 8-11
Description: Gives practice in squaring binomials; reports student performance.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Teck Associates $19.95 [pk59,14p]**

ARITHMETIC PROGRESSIONS I (Skills pract)
8)**Subj/Topic:** Algebra **Grades:** 8-11
Description: Generates & scores exer's on common differnce, nth term & the number of terms; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

VERBAL PROBLEMS VII- RATES (Skills pract)
9)**Subj/Topic:** Algebra **Grades:** 8-11
Description: Generates & scores exer's on solving word problems involving rate relationships; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

VERBAL PROBL'S VIII-DIGITS (Skills pract)
10)**Subj/Topic:** Algebra **Grades:** 8-11
Description: Generates & scores exer's on word problems involving relationships among digits of numbers; reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

SIMULTANEOUS EQUATIONS-3X3 (Skills pract)
11)**Subj/Topic:** Algebra **Grades:** 8-11
Description: Generates & scores exercises on solving sets of three simultaneous equations; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,prt
Sce: Microphys $20

VERBAL PROBLEMS V-MIXTURES (Skills pract)
12)**Subj/Topic:** Algebra **Grades:** 8-11
Description: Generates & scores exer's in solving word problems involving mixtures; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

LINEAR EQUATIONS (Skills pract)
13)**Subj/Topic:** Algebra **Grades:** 8-11
Description: Generates & scores exer's on simple linear equations in one unknown; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

FORMULA EVALUATION (Skills pract)
14)**Subj/Topic:** Algebra **Grades:** 8-11
Description: Generates & scores exer's on solving implicit relationships for an unknown variable; reports student perform'c.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

VERBAL PROBLEMS II - COINS (Skills pract)
15)**Subj/Topic:** Algebra **Grades:** 8-11
Description: Generates & scores exer's in solving word problems involving coin values; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

VERBAL PROBL'S IV-INTEREST (Skills pract)
16)**Subj/Topic:** Algebra **Grades:** 8-11
Description: Generates & scores exer's in solving word problems involving simple interest; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

VERBAL PROBLEMS IX - WORK (Skills pract)
17)**Subj/Topic:** Algebra **Grades:** 8-11
Description: Generates & scores exer's on word problems involving rates at which work accomplished; reports performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

VERBAL PROBL'S VI-GEOMETRY (Skills pract)
18)**Subj/Topic:** Algebra **Grades:** 8-11
Description: Generates & scores exer's on solving word problems involving simple geometry; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20
Rev's: TCT V8#5(0)

VERBAL PROBLEMS I- NUMBERS (Skills pract)
19)**Subj/Topic:** Algebra **Grades:** 8-11
Description: Generates & scores exer's on solving word problems involving numerical relationships; reports student perform'nc.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

SIMULTANEOUS EQUATIONS-2X2 (Skills pract)
20)**Subj/Topic:** Algebra **Grades:** 8-11
Description: Generates & scores exercises on solving sets of 2 simultaneous equations; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

VERBAL PROBLEMS III - AGES (Skills pract)
21)**Subj/Topic:** Algebra **Grades:** 8-11
Description: Generates & scores exer's in solving word problems involving age relationships; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

VERBAL PROBLEMS X- GENERAL (Skills pract)
22)**Subj/Topic:** Algebra **Grades:** 8-11
Description: Generates & scores exer's on word problems including a variety of numerical relationships; reports perform'nc.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

ELEMENTARY ALGEBRA (Tutorial)
23)**Subj/Topic:** Algebra **Grades:** 8-10
Description: Reviews fundamentals of elementary algebra; objective answer format; gives help when needed.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Nat'l Softw'e Mktg $7.95

†ALGEBRA I (Tutorial)
24)**Subj/Topic:** Algebra **Grades:** 8-10
Description: Features definitions, number line operations, sets, evaluation expressions, rules for equation reduction.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.3
Sce: Aquarius Publish's $39.95

BINOMIAL MULTIPLICATION (Concept demo)
25)**Subj/Topic:** Algebra **Grades:** 8-10
Description: Graphic demonstration that (X+A)(X+B)=X[2+AX+BX+BC; is shown by use of very convincing area argument.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Math Software $175 [pk21,12p]**
Rev's: TCT 3/82(0); MT 4/81(+); MSN 10/81(+)

SIMULTANEOUS LINEAR SYST'S (Tutorial)
26)**Subj/Topic:** Algebra **Grades:** 8-10
Description: Provides geometric understanding along with algebraic practice for solving linear systems.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Math Software $175 [pk21,12p]**
Rev's: EL 3-4/82(0); MT 4/81

SOLVING LINEAR EQUATIONS (Tutorial)
27)**Subj/Topic:** Algebra **Grades:** 8-10
Description: Provides graphic model for solving linear equations.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Math Software $175 [pk21,12p]**
Rev's: EL 3-4/82(0)

CARTESIAN COORD'T GRAPHING (Computl tool)
28)**Subj/Topic:** Algebra **Grades:** 8-12
Description: Plots a standard x,y graph of a given function; scales automatically; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Compuware $19.95 [pk47,5p]**

ALGEBRA BILLIARDS (Skills pract)
29)**Subj/Topic:** Algebra **Grades:** 8-12
Description: Practice, in billiard game format, evaluating linear expressions by substit'n; gives help;uses graphics,sound.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Curriculum Appl'ns $16.95
Rev's: TCT V8#6(+); CRC V1#1(0); SMW W82(+)

FACTORING (Tutorial)
30)**Subj/Topic:** Algebra **Grades:** 8-11
Description: Introduces & demonstrates polynomial factoring, gives practice in formal/game formats & tests/reports perf.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Micro Power & Light $34.95

ALGEBRA 3 (Skills pract)
31)**Subj/Topic:** Algebra **Grades:** 8-12
Description: learning units cover monomials, polynomials, simple factor'g, factor'g, binomials, & quadratic trinomials.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3Applsft
Sce: Edu-Ware Services $39.95
Rev's: ET 9/81(-); MT 11/82(0)

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

MATHEMATICS: Algebra (CONT)

SOLVING QUADRATIC EQUAT'NS (Skills pract)
1)**Subj/Topic:** Algebra **Grades:** 8-11
Description: Pract solving equations of form AX2+BX+C=0; all work step by step on screen; immed error flagging, remediation.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Micrcomp Workshops $20

ALGEBRA 2 (Skills pract)
2)**Subj/Topic:** Algebra **Grades:** 8-12
Description: Learning units cover addition & multiplication of real numbers, solving equations, problems & inequalit's.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48KDOS3.3Applesft
Sce: Edu-Ware Services $39.95
Rev's: ET 9/81(-); MT 11/82(0)

ALGEBRA I (Skills pract)
3)**Subj/Topic:** Algebra **Grades:** 8-12
Description: 5 learning units covering definitions, sets, no. line ops, evaluat'g expressions, rules for equation reduction.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Edu-Ware Services $39.95
Rev's: ET 9/81(-); MT 11/82(0)

%ALGEBRA WORD PROBLEMS (Tutorial)
4)**Subj/Topic:** Algebra **Grades:** 8-10
Description: Teaches logical approach to solving word problems; practice with several probl types; tests, reports perf'nc.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Tycom Associates $19.95

†SOLVING EQUATIONS (Skills pract)
5)**Subj/Topic:** Algebra **Grades:** 8-9
Description: Program provides the student with an unlimited supply of random equations which s/he must solve.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Educat'l Activit's $45

†ALGEBRA II (Tutorial)
6)**Subj/Topic:** Algebra **Grades:** 9-12
Description: Rules for addition, rules for multiplication, solving equations, and solving inequalities are covered.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.3
Sce: Aquarius Publish's $39.95

†THE QUADRATIC & PARABOLA (Skills pract)
7)**Subj/Topic:** Algebra **Grades:** 9-12
Description: Quest's about quadr polynomials,quadratic roots,parabolas,tangents & normals;reviews missed items;reprts perf.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: Avant Garde Creatns $29.95

HICALC (Skills pract)
8)**Subj/Topic:** Algebra **Grades:** 9-11
Description: Algebra II students can rearrange coefficients of expressions in x to discover effects of changes on value.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: N.C.C.C.D. $5
Rev's: SMW W82(+)

%SLOPE (Skills pract)
9)**Subj/Topic:** Algebra **Grades:** 9-11
Description: Practice on slope and intercept concepts using linear equations.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Teck Associates $19.95 [pk59,14p]**

ARITHMETIC PROGRESSIONS II (Skills pract)
10)**Subj/Topic:** Algebra **Grades:** 9-11
Description: Generates & scores exer's on common difference, nth term & number of terms; reports performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

QUADRATIC EQUATIONS (Skills pract)
11)**Subj/Topic:** Algebra **Grades:** 9-12
Description: Generates & scores exercises in solving quadratic formulas; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

GEOMETRIC PROGRESSIONS II (Skills pract)
12)**Subj/Topic:** Algebra **Grades:** 9-11
Description: Generates & scores exer's on common ratio, nth term and sum of progression; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

TYPES OF VARIATIONS (Skills pract)
13)**Subj/Topic:** Algebra **Grades:** 9-11
Description: Generates & scores exer's on direct, indirect & joint relationships; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

GEOMETRIC PROGRESSIONS I (Skills pract)
14)**Subj/Topic:** Algebra **Grades:** 9-11
Description: Generates & scores exer's on common ratio, nth term & geometric mean; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

EXPONENTS & LOGARITHMS (Skills pract)
15)**Subj/Topic:** Algebra **Grades:** 9-11
Description: Generates & scores exer's on logarithmic equations & the use of exponents; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

ALGEBRA (Tutorial)
16)**Subj/Topic:** Algebra **Grades:** 9-11
Description: Leads through steps in solving linear equations, check'g responses at ea. step;students may use 3 transform'ns.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk37,8p]**

SLOPE (Computl tool)
17)**Subj/Topic:** Algebra **Grades:** 9-11
Description: Graphs linear equations of form y=mx + b or x=6 for guided exploration of their properties.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk37,8p]**
Rev's: JRM V1(+); MJ W81(+)

QUADRATIC EQUATIONS (Skills pract)
18)**Subj/Topic:** Algebra **Grades:** 9-12
Description: Practice in coefficient recognition, discriminate evaluation, type of roots, etc.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+tape;32K+disk
Sce: Radio Shack $49.95

ALGEBRA DRILL & PRACTICE 1 (Skills pract)
19)**Subj/Topic:** Algebra **Grades:** 9-12
Description: Provides drill & practice in signs, numeric & algebraic fractions, percents, simplification, word problems.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Conduit $125
Rev's: CR 8-9/82(+)

AUTO-GRAPH (Computl tool)
20)**Subj/Topic:** Algebra **Grades:** 9-12
Description: Graphs equations on screen with option for printing w/ line printer; user-friendly; manual; easy to use.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+tape;32K+disk
Sce: Modtec $21.95

%MORE ALGEBRA (Tutorial)
21)**Subj/Topic:** Algebra **Grades:** 9-11
Description: Intro & pract on 5 advanced algebra topics; reports perf'nc at session-end; 5 progs; on indiv tapes $26.95.
Syst(s): CBM PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Tycom Associates $19.95
Rev's: SMW W83(-)

†ALGEBRA III (Tutorial)
22)**Subj/Topic:** Algebra **Grades:** 10-14
Description: Monomials, polynomials, simple factoring and binomials, and quadratic trinomials are covered.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.3
Sce: Aquarius Publish's $39.95

LIMITS OF SEQUENCES (Concept demo)
23)**Subj/Topic:** Algebra **Grades:** 10-12
Description: Graphs approx 55 terms of prestored or given sequence; gives epsilon neighborhood of limit and threshhld value.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk,DOS3.3
Sce: Math Software $175 [pk21,12p]**
Rev's: SMW Su82(+); MSN 10/81(+); TCT 1/82(0)

POLAR GRAPHING (Computl tool)
24)**Subj/Topic:** Algebra **Grades:** 10-12
Description: Does polar graphs of various forms including ellipse, hyperbola & parabola, as well as user-supplied equations.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk,DOS3.3
Sce: Math Software $175 [pk21,12p]**
Rev's: MT 4/81

POLAR COORDINATE GRAPHING (Computl tool)
25)**Subj/Topic:** Algebra **Grades:** 10-12
Description: Plots polar graphs to scale; user enters range & increment; automatic scaling; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Compuware $19.95 [pk47,5p]**

PARAMETRIC GRAPHING (Computl tool)
26)**Subj/Topic:** Algebra **Grades:** 10-12
Description: Graphs two parametric functions entered by the user; x & y expressed in terms of T; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Compuware $19.95 [pk47,5p]**

MATHEMATICS: Analysis

POLYGRAPH (Computl tool)
27)**Subj/Topic:** Analysis **Grades:** 9-12
Description: Allows students to explore properties of linear,trig,quadratic,conic functions;plots several at once;magnifies.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk37,8p]**
Rev's: JRM V1(+)

AESTHEOMETRY - VOLUME 1 (Concept demo)
28)**Subj/Topic:** Analysis **Grades:** 10-12
Description: Aesthetic introduction to sketching elliptical, parabolic & hyperbolic curves.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30

LINEAR & PARABOL REGRESS'N (Computl tool)
29)**Subj/Topic:** Analysis **Grades:** 10-12
Description: Analyzes how well a series of points fit a linear or quadratic function; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Compuware $19.95 [pk47,5p]**

ECCENTRICITY FORM OF CONIC (Computl tool)
30)**Subj/Topic:** Analysis **Grades:** 10-12
Description: Provides graph of conic obtained for specific value of eccentricity using eccentricity def of conics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Math Software $175 [pk21,12p]**

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

MATHEMATICS: Analysis (CONT)

ARITHMETIC OF FUNCTIONS (Computl tool)
1)**Subj/Topic:** Analysis **Grades:** 10-12
Description: Graphs user-entered functions as well as 256 pre-programmed functions, including many trig relationships.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Math Software $175 [pk21,12p]**
Rev's: MT 4/81(0); TCT 2/82(+); SMW Su82(+)

FUNCTION GRAPHER (Computl tool)
2)**Subj/Topic:** Analysis **Grades:** 10-12
Description: Graphs superimp'd circular, absolute value, greatest integer, polynomial & user's functions with user coeff's.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Math Software $175 [pk21,12p]**
Rev's: MSN 10/81(+); SMW Su82(+); TCT 1/82(+)

SINE & COSINE GRAPHER (Computl tool)
3)**Subj/Topic:** Analysis **Grades:** 10-12
Description: Graphs superimposed functions of forms y=Asin(Bx+C) & y=Acos(Bx+C) to show effects of varying coefficients.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Math Software $175 [pk21,12p]**
Rev's: EL 3-4/82(0); MT 4/81

%CACTUSPLOT (Computl tool)
4)**Subj/Topic:** Analysis **Grades:** 9-14
Description: Hi-res funct'n plots; solves equation; produces tables; calculates & shades areas; full printer & dsk interfce.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,ptr optl
Sce: Cactus Software $59.95

ISOMETRIC PROJECTOR (Computl tool)
5)**Subj/Topic:** Analysis **Grades:** 10-14
Description: Wire frame plots of surface projections; useful in geometry/calculus; user specified functions can be used.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Color Sftwe Svcs $16.95

COMPUTER GRAPHING EXPERS 3 (Computl tool)
6)**Subj/Topic:** Analysis **Grades:** 11-12
Description: Student explores graphs of parabolas, ellipses, hyperbolas, general quadratic functions, inequalities.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.3
Sce: Addison-Wesley $45

GRAPH IT (Computl tool)
7)**Subj/Topic:** Analysis **Grades:** 11-12
Description: Creates 2- and 3-dimensional graphs & polar graphs; will read out coordinates of points indicated by joystk.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+tape,joystick
Sce: Atari Inc. $ n/av

POLAR (Computl tool)
8)**Subj/Topic:** Analysis **Grades:** 11-12
Description: Student investigates properties of polar coordinate equations; plots most equations, zooms in on spec sections.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk37,8p]**
Rev's: JRM V1(+)

LIMACONS & THEIR AREAS (Tutorial)
9)**Subj/Topic:** Analysis **Grades:** 11-12
Description: Describes, graphs, & finds the areas of limacons of form r=a+b sin(t) or r=a+b cos(t).
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Math Software $175 [pk21,12p]**
Rev's: MT 4/81; MSN 10/81(+); TCT 1/82(+)

ADVANCED GRAPHICS (Computl tool)
10)**Subj/Topic:** Analysis **Grades:** 11-12
Description: (26-1714) 2 progs allow students to study the graphs of equations of the forms y=f(x),r=f(theta),x=f(T),y=f(T).
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Radio Shack $39.95

MATHEMATICS: Calculus

FUNCTION PLOTTER (Computl tool)
11)**Subj/Topic:** Calculus **Grades:** 9-12
Description: Helps find maxima, minima, & see over-all curve shapes; plots up to 5 equations on screen at once;view'g window.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Fullmer Associates $37.50

†CALCULUS (Skills pract)
12)**Subj/Topic:** Calculus **Grades:** 10-16
Description: Practice with problems of elementary intergration & differentiation; grading system & teachers guide.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Concept Educ'l Sft $35

INVEST'S: INTEGRAL CALCUL (Tutorial)
13)**Subj/Topic:** Calculus **Grades:** 11-12
Description: (26-2600) Stud'ts discover fundamentals of integ calculus thru study of computer-generated graphs and areas.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Radio Shack $39.95

MATHEMATICS: Consumer Math

PROBL SOLV'NG EV'YDAY MATH (Tutorial)
14)**Subj/Topic:** Consumer Math **Grades:** 2-7
Description: Takes step-by-step approach to analyzing practical everyday math problems. A process teaching program.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $165

SURVIVAL MATH (Simulation)
15)**Subj/Topic:** Consumer Math **Grades:** 4-8
Description: 4 simulations for practice in applying math skills to everyday life.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d; TRS16K+t
Sce: Sunburst Commun's $50
Rev's: EL 11-12/82(0)

†MATH FOR EVERYDAY LIVING (Skills pract)
16)**Subj/Topic:** Consumer Math **Grades:** 4-9
Description: Student makes choices in simulated real-life activities involving math & business; disk $85.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K+t;32K+disk
Sce: Educat'l Activit's $79

STOCK MARKET SIMULATION (Educ'l game)
17)**Subj/Topic:** Consumer Math **Grades:** 6-12
Description: Players buy & sell stocks, trying to increase net worth; prices change based on economic indicators.
Syst(s): TRS-80 PET
Lang/Min Hdwre: BASIC; 8KPET/16KTRS+tape
Sce: Micro Learningware $7.95

YOU CAN BANK ON IT (Tutorial)
18)**Subj/Topic:** Consumer Math **Grades:** 6-12
Description: Instruction & practice on banking concepts, esp checking & saving services; suitable for special ed;6 disks.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $285
Rev's: SMW Su82(0)

INCOME MEETS EXPENSES (Tutorial)
19)**Subj/Topic:** Consumer Math **Grades:** 6-12
Description: Instruction/practice on budget'g;income related to fixed/flexible expenses of needs/wants;suitable spec educ.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $340
Rev's: SMW Su82(+)

MONEY MANAGEM'T ASSESSM'T (Test genrat)
20)**Subj/Topic:** Consumer Math **Grades:** 6-12
Description: Assesses skills needed in learn'g money managem't; for pre-/post-test'g; suitable for special ed; 4 disks.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $165
Rev's: SMW Su82(0); IW 11/23/81(+)

†REAL COST (Tutorial)
21)**Subj/Topic:** Consumer Math **Grades:** 9-12
Description: Will a special offer really save money? Study sale price, special offers & comparative shopp'g;on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†UNDERSTANDG CHKBKS/STATMTS (Tutorial)
22)**Subj/Topic:** Consumer Math **Grades:** 9-12
Description: Survival math skills; learn to manage your checking account and keep up with bank statm'ts;on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

TAXING! (Skills pract)
23)**Subj/Topic:** Consumer Math **Grades:** 9-12
Description: Supplies randomly selected "facts" to use in practice with 1040 form. Ans key for ea stud't; also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk107,2p]**

MATHEMATICS: General Math

SOLV'G MULT. STEP PROBLEMS (Skills pract)
24)**Subj/Topic:** General Math **Grades:** 6-12
Description: Provides processes & experiences needed for using math to solve multi-step problems.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: MCE $44.95

SIGN DRILL (Skills pract)
25)**Subj/Topic:** General Math **Grades:** 7-12
Description: Student responds against a clock. Examples given are like: Is -3 + -5 positive or negative; also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk110,2p]**

LASER CHASER (Skills pract)
26)**Subj/Topic:** General Math **Grades:** 7-12
Description: A game using a Star Wars theme, hi-res graphics, & sound to give practice on operations on integers.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 48K DOS 3.3
Sce: Indian Head Softwe $14.95

GENERAL MATHEMATICS (Tutorial)
27)**Subj/Topic:** General Math **Grades:** 9-12
Description: Contains 15 programs useful to anyone who wants to improve their math skills and accelerate their computations.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 32K + tape
Sce: Hayden Book Co. $14.95

MATHEMATICS: Geometry

†PLANES-PLANES PGM (Skills pract)
28)**Subj/Topic:** Geometry **Grades:** 4-8
Description: Library of 200 shapes; displays shapes at various orientations; prompts viewer to draw the shapes.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: ITC Technologies $39.95

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

MATHEMATICS: Geometry (CONT)

AREA AND PERIMETER (Tutorial)
1)**Subj/Topic:** Geometry **Grades:** 5-8
Description: Introduces formulas needed to figure area & perimeter with graphics. Problems to test comprehension included.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comm*Data Comp Hse $9.95

†**PLANES-DS PLANES PGMS** (Skills pract)
2)**Subj/Topic:** Geometry **Grades:** 5-12
Description: Allows viewer to create a personalized shape library; requires knowledge of coordinate systems concepts.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: ITC Technologies $39.95

POINTS (Skills pract)
3)**Subj/Topic:** Geometry **Grades:** 7-10
Description: Student discovers relation between point's coordinates & its location in x-y plane, learns to plot; animated.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: N.C.C.C.D. $5

SNARK (Educ'l game)
4)**Subj/Topic:** Geometry **Grades:** 7-11
Description: Student tries to encircle "Snark" hiding on 10 x 10 grid by specifying center & radius; prog'm gives clues.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk37,8p]**
Rev's: MJ W81(0)

GEOMETRIC SHAPES (Rote drill)
5)**Subj/Topic:** Geometry **Grades:** 7-12
Description: Practice identifying geometric shapes.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+d,ROM Aplsft
Sce: Minn Ed Comp Consrt $37.30 [pk101,5p]**

PERIMETERS (Tutorial)
6)**Subj/Topic:** Geometry **Grades:** 7-12
Description: Explains and gives practice with calculation of perimeters of polygons.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+d,ROM Aplsft
Sce: Minn Ed Comp Consrt $37.30 [pk101,5p]**

RECTANGLE & SQUARE AREAS (Tutorial)
7)**Subj/Topic:** Geometry **Grades:** 7-12
Description: Explains and gives practice with calculating the area of rectangles & squares.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+d,ROM Applsft
Sce: Minn Ed Comp Consrt $37.30 [pk101,5p]**

PARALLELOGRAM AREA (Tutorial)
8)**Subj/Topic:** Geometry **Grades:** 7-12
Description: Explains and gives practice with calculating the areas of parallelograms, including the rhombus.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+d,ROM Applsft
Sce: Minn Ed Comp Consrt $37.30 [pk101,5p]**

TRAPEZOID & TRIANGLE AREAS (Tutorial)
9)**Subj/Topic:** Geometry **Grades:** 7-12
Description: Explains and gives practice with calculating the areas of trapezoids and triangles.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+d,ROM Applsft
Sce: Minn Ed Comp Consrt $37.30 [pk101,5p]**

†**TRIANGLE TRIG** (Tutorial)
10)**Subj/Topic:** Geometry **Grades:** 7-12
Description: Step-by-step guide to triangular geometry & beginning geometry; reviews all necessary skills.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Instant Software $19.95

ORBITAL & ROTATING FIGURES (Concept demo)
11)**Subj/Topic:** Geometry **Grades:** 8-11
Description: Visual intro to solids generated when planar & 3-D objects rotated in space; with cones,cubes,cylinders, etc.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Math Software $175 [pk21,12p]**

GEOMETRICAL AREAS (Skills pract)
12)**Subj/Topic:** Geometry **Grades:** 9-11
Description: Generates scored exer's on finding areas of various plane figures; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

ELEMENTARY GEOMETRY (Tutorial)
13)**Subj/Topic:** Geometry **Grades:** 9-11
Description: Reviews fundamentals of elementary geometry; objective answer format; gives help when needed.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Nat'l Softw'e Mktg $7.95

EUCLID GEOMETRY TUTOR (Tutorial)
14)**Subj/Topic:** Geometry **Grades:** 9-12
Description: (26-1724) Using 9 basic Euclidean postulates,stud'ts tutored in construction of proofs;auto,pract,test modes.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Radio Shack $39.95
Rev's: SMW W82(0); MT 11/82(0)

COORDINATE GEOMETRY (Skills pract)
15)**Subj/Topic:** Geometry **Grades:** 10-12
Description: Generates & scores exer's on distance between 2 points, slope & intercept of line, etc.; reports performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

PLANE ANALYTIC GEOMETRY (Skills pract)
16)**Subj/Topic:** Geometry **Grades:** 10-12
Description: (26-2602) Stud'ts work with plane analytic geometry probl's related to straight lines & conic sections;perf rept.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Radio Shack $39.95

MATHEMATICS: Statistics

SAMPLING (Concept demo)
17)**Subj/Topic:** Statistics **Grades:** 6-12
Description: Random samples of 5 scores taken from population; graphically shows central tendency; also on disk.
Syst(s): Apple CBM PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk17,2p]**
Rev's: MT 2/82(+)

DESCRIPTIVE STATISTICS (Tutorial)
18)**Subj/Topic:** Statistics **Grades:** 6-12
Description: A set of 6 pgms giving instruction on descriptive stats (avg, mode, median, frequ. dist, histograms, etc.).
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; 8K + disk
Sce: Sheridan College $100

PROBABILITY MACHINE (Skills pract)
19)**Subj/Topic:** Statistics **Grades:** 7-12
Description: Animated version of Galton's probability demonstrator. Can provide data for simple statistical analyses.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: N.C.C.C.D. $5

MODE, MEDIAN & MEAN (Skills pract)
20)**Subj/Topic:** Statistics **Grades:** 7-12
Description: Generates & scores exer's on finding the range, mode, median & mean a set of generated data; reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

BAR GRAPH ANALYSIS (Skills pract)
21)**Subj/Topic:** Statistics **Grades:** 8-12
Description: Generates & scores exer's on finding the range, mode, median & mean from a bar graph; reports student perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

WHAT'S THE SCORE? (Tutorial)
22)**Subj/Topic:** Statistics **Grades:** 8-12
Description: Instruction & practice with statistical measures, distributions, histograms & curves.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Micro Power & Light $29.95

OFF CENTER (Tutorial)
23)**Subj/Topic:** Statistics **Grades:** 9-12
Description: Intros, gives practice with summarizing differences among scores in a set,std. dev.,comparing groups of scores.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Micro Power & Light $29.95

%**STATISTICS** (Computl tool)
24)**Subj/Topic:** Statistics **Grades:** 9-12
Description: Augments student's data to allow 100-trial histogram; plots histog'm, then adds 500 more trials for analysis.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: EduTech $85

DESCRIPTIVE STATISTICS (Concept demo)
25)**Subj/Topic:** Statistics **Grades:** 9-12
Description: Provides supplementary materials for standard textbooks in precalculus statistics & probablity.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Conduit $75

STATISTICS I (Computl tool)
26)**Subj/Topic:** Statistics **Grades:** 10-12
Description: Given user's data, computes mean, mode, median, std deviation, variance, skewness, kurtosis & root mean sq.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Inc. $ n/av

FREQDIST (Computl tool)
27)**Subj/Topic:** Statistics **Grades:** 10-12
Description: Constructs a frequency distribution and histogram for any data set; separate textbook available.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: COMPress $60 [pk65,4p]**

FREQTAB (Computl tool)
28)**Subj/Topic:** Statistics **Grades:** 10-12
Description: Constructs a frequency table and plots a line graph for any data set; separate textbook available.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: COMPress $60 [pk65,4p]**

GROUP (Computl tool)
29)**Subj/Topic:** Statistics **Grades:** 10-12
Description: Calculates grouped mean, variance & standard deviation for a given data set; textbook available separately.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: COMPress $60 [pk65,4p]**

STATMEAS (Computl tool)
30)**Subj/Topic:** Statistics **Grades:** 10-12
Description: Places data in order, calculates location & dispersion measures; textbook available separately.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: COMPress $60 [pk65,4p]**

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MATHEMATICS: Statistics (CONT)

ANALYTICS (Computl tool)
1)**Subj/Topic:** Statistics **Grades:** 11-12
Description: Finds normal, regression, & variance statistics as well as Chi Square.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: COMPress $50

MATHEMATICS: Trigonometry

RADAR (Educ'l game)
2)**Subj/Topic:** Trigonometry **Grades:** 7-12
Description: Pract estimating angles in degrees; student gives missile headings in degrees to intercept ICBM; radar display.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk37,8p]**
Rev's: JRM V1(-)

ICBM (Educ'l game)
3)**Subj/Topic:** Trigonometry **Grades:** 9-12
Description: Students use hand calculator or table to find missile heading to destroy enemy ICBM located by data table.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk37,8p]**
Rev's: MJ W81(0); JRM V1(-)

DISCOVERY LEARN'G IN TRIG (Simulation)
4)**Subj/Topic:** Trigonometry **Grades:** 9-12
Description: Discovery learning techniques used to introduce trig functions and their visual representations.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Conduit $75
Rev's: MT 11/82(+)

†TRIG FUNCT'N /ACTIVE ANGLE (Skills pract)
5)**Subj/Topic:** Trigonometry **Grades:** 9-12
Description: Practice in 3 basic trig equations & derivations; choose sine, cosine or tangent problem; grading system.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Concept Educ'l Sft $30

COMPUTER GRAPHING EXPERS 2 (Computl tool)
6)**Subj/Topic:** Trigonometry **Grades:** 10-12
Description: Student explores graphs of trignometric functions, also polar coordinates.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.3
Sce: Addison-Wesley $45

TRIGONOMETRY I (Skills pract)
7)**Subj/Topic:** Trigonometry **Grades:** 10-12
Description: Generates exercises on basic trig definitions & laws of sines & cosines; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

TRIGONOMETRY II (Skills pract)
8)**Subj/Topic:** Trigonometry **Grades:** 10-12
Description: Generates & scores exer's on right triangle properties & 6 basic trig functions; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

ELEMENTARY TRIG (Tutorial)
9)**Subj/Topic:** Trigonometry **Grades:** 10-12
Description: Reviews fundamentals of elementary trigonometry; objective questions; gives help when needed.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Nat'l Softw'e Mktg $7.95

MISCELLANEOUS

†DRESSING I (Tutorial)
10)**Subj/Topic:** General **Grades:** K-6
Description: Clothes & dressing; multi-use disk lesson; vocabulary, cut-out dolls & clothing, getting dressed & undressed.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.3or 3.2
Sce: Aquarius Publish's $34.95

†DRESSING II (Tutorial)
11)**Subj/Topic:** General **Grades:** K-6
Description: What clothes should be worn when; multi-use disk lesson, vocabulary books, cut-out dolls & clothing.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.3or 3.2
Sce: Aquarius Publish's $34.95

†WINDOW, VOL 1 NO. 2 (Multi types)
12)**Subj/Topic:** General **Grades:** 1-12
Description: Disk mag. w/ focus on learning; this issue has data base prog, adventure game, 2 rev'ws, other games,articles.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Tamarack Software $24.95

†WINDOW VOL 1 NO. 1 (Multi types)
13)**Subj/Topic:** General **Grades:** 1-12
Description: Disk mag. w/ focus on learning;this issues contains games,a util prog to teach BASIC,articles,other progr's,etc.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Tamarack Software $19.95

LOGIC 'N' REASON (Educ'l game)
14)**Subj/Topic:** General **Grades:** 1-5
Description: 3 games desig'd to challenge player to think & develop skills in relational reasoning; (maze, puzzle, code).
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 4K + tape
Sce: Color Sftwe Svcs $14.95

†BOOKS OF THE BIBLE (Test genrat)
15)**Subj/Topic:** General **Grades:** 3-8
Description: Quiz testing knowledge of the order of books of the Bible; format multiple choice.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Color Sftwe Svcs $7.95

†KNOW YOUR MONEY (Tutorial)
16)**Subj/Topic:** General **Grades:** 3-6
Description: Teaches presidents, coin mottos, mints, engravers & metal alloys; guides observations on common coins.
Syst(s): Atari TRS-80
Lang/Min Hdwre: BASIC; 16K+tape;32K+disk
Sce: Spectrum Software $18

BIBLE QUIZ (Rote drill)
17)**Subj/Topic:** General **Grades:** 3-10
Description: Multiple choice format with various Bible facts; suitable as aid for standardized Bible content tests.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Color Sftwe Svcs $12.95

SOLICUBE (Tutorial)
18)**Subj/Topic:** General **Grades:** 3-12
Description: Tutorial based on Rubik's Cube; complete analysis of solution, 3-D with sound; includes Cube and booklet.
Syst(s): PET
Lang/Min Hdwre: BASIC; 32K + disk
Sce: ComQuest $49.95

BIBLE QUIZ (Rote drill)
19)**Subj/Topic:** General **Grades:** 3-6
Description: Add verses, computer formulates questions; easily memorize verses of scripture.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K +DOS 3.3
Sce: Profes Comp Systs $29.95

†FACTS AND FORMULAS (Tutorial)
20)**Subj/Topic:** General **Grades:** 4-8
Description: Menu driven program introd's many facts & formulas used in everyday life; allows applic of knowledge gained.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Aquarius Publish's $14.95

MISCELLANEOUS: Basic Skills

PRESCHOOL IQ BUILDER (Skills pract)
21)**Subj/Topic:** Basic Skills **Grades:** K-1
Description: Pract discriminating between 2 forms & match'g letrs on screen & keybd; Apple & Atari disk versions $23.95.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET 8K;others 16K
Sce: Program Design Inc $16.95
Rev's: CC 5/79; MJ V3#1; JRM V1(0)

ROBOT (Skills pract)
22)**Subj/Topic:** Basic Skills **Grades:** K-2
Description: Student must identify the body parts missing from pictured robots.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $20

SAME OR DIFFERENT (Skills pract)
23)**Subj/Topic:** Basic Skills **Grades:** K-2
Description: Two non-geometric figures are shown; student tells whether they are the same or different.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $10

SHAPE RECOGNITION (Skills pract)
24)**Subj/Topic:** Basic Skills **Grades:** K-2
Description: A shape is displayed; the pupil must tell which of three other shapes match the first one.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $20

POS 'N SPACE (Skills pract)
25)**Subj/Topic:** Basic Skills **Grades:** K-2
Description: Child moves objects displayed on screen from keyboard; develops spatial relation skills.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Project COMCAL $20

COMPUTER PALLETTE (Rote drill)
26)**Subj/Topic:** Basic Skills **Grades:** K-1
Description: Hand-eye coordination exercise; pupil uses joystick to create a colored design; saves, displays pictures.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Edutek Corp. $25

COOPERATION MAZE (Skills pract)
27)**Subj/Topic:** Basic Skills **Grades:** K-1
Description: Hand-eye coordination exercise; two students cooperate to move an object through a maze.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Edutek Corp. $20
Rev's: SMW W82(+)

†PATTERN RECOGNITION (Skills pract)
28)**Subj/Topic:** Basic Skills **Grades:** K-2
Description: Child must choose the different object; right-left discrimination.
Syst(s): Apple TRSCol
Lang/Min Hdwre: BASIC; 16K, disk & tape
Sce: J.B. Hirsch $20

† This is a new entry in THE SOFTWARE FINDER. ** See Intro. and Sect. II-3.

MISCELLANEOUS: Basic Skills (CONT)

ANIMALS (Educ'l game)
1)**Subj/Topic:** Basic Skills **Grades:** 1-9
Description: Student "teaches" computer how to guess animals based on characteristics; learns principles of classificat'n.
Syst(s): PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET/16KTRS+tap
Sce: Micro Learningware $7.95

†MAZEMAKER (Educ'l game)
2)**Subj/Topic:** Basic Skills **Grades:** 3-6
Description: Student steers cursor thru a maze using control keys; mazes are random but have unique solution; on disk $15.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 16K;TRS+t,Ap/At+d
Sce: Cybernetic Info $10

MEMORY MYTH (Skills pract)
3)**Subj/Topic:** Basic Skills **Grades:** 5-12
Description: Exercises to develop memory skills; variables include image size, ordering and time.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Micro Power & Light $19.95

PERCEPTION 3.0 (Skills pract)
4)**Subj/Topic:** Basic Skills **Grades:** 6-12
Description: Tests,gives practice in discriminat'g among shape sizes, in estimat'g line lengths & observ'g displayed objects.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K + disk
Sce: Edu-Ware Services $24.95
Rev's: MJ W81(0)

PHYSICAL EDUCATION

CHAMPS (Teacher aid)
5)**Subj/Topic:** Physical Educ'n **Grades:** 6-14
Description: Designed for secondary & college football scouting analysis on offensive data; 10 manuals, printer needed.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K ModI/III+disk
Sce: Radio Shack $149.95

SCIENCE

%CONVERSIONS (Computl tool)
6)**Subj/Topic:** General **Grades:** 6-12
Description: Gives over 50 combinations of length, weight, and temperature; Angstroms, light-years, and Kelvin included.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Athena Software $6.95

DATA ANALYSIS SERIES (Computl tool)
7)**Subj/Topic:** General **Grades:** 7-12
Description: 3 graphing programs; 40 X 60 points, automatic scaling; second program will plot up to 4 data sets on same grid.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 8KPET/16KAp +tape
Sce: Merlan Scientific $24

MICRO-DYNAMO (Lang proces'r)
8)**Subj/Topic:** General **Grades:** 8-12
Description: Students may describe models of real-world situations to computer for simulation; no programming exper required.
Syst(s): Apple
Lang/Min Hdwre: Machine; 64K+2dsk,PASC crd
Sce: Addison-Wesley $245
Rev's: CC 11/82(+)

†PAL STARTER-SET (Computl tool)
9)**Subj/Topic:** General **Grades:** 9-12
Description: 10 experiments using light & temperature sensors; intros lab interfacing; price includes PAL(tm) interface.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3,PAL
Sce: Cambridge Dev Labs $199

†SCIENTIFIC NOTATION (Educ'l game)
10)**Subj/Topic:** General **Grades:** 9-14
Description: Timed pract;student changes fr/ scient'c to st'd notation or vice versa; immed feedback;perf reprt;disk $18.95.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $15.95 [pk132,2p]**

GRAPHICAL ANALY'S EXP DATA (Computl tool)
11)**Subj/Topic:** General **Grades:** 9-12
Description: (26-1722) Graphs user's exper data, modifies it,analyzes it for best fit & projects it.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Radio Shack $39.95

%STATISTICS (Computl tool)
12)**Subj/Topic:** General **Grades:** 9-12
Description: Augments student data to allow 100-trial histogram; plots histogram, then adds 500 trials for analysis.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: EduTech $85

%LAB STATISTICS PACKAGE (Concept demo)
13)**Subj/Topic:** General **Grades:** 9-12
Description: Helps students understand how to use experimental results scientifically. Graphics, statistical calculation.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: High Tech Soft Prd $50

SUN HEAT 1 (Simulation)
14)**Subj/Topic:** General **Grades:** 9-12
Description: Configure & evaluate solar hot water heat'g syst's with local values (solar,temp,cloudiness); also on disk.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 32K ModI/III+tape
Sce: Solartek $29

%GRAPHICAL ANALYSIS (Computl tool)
15)**Subj/Topic:** General **Grades:** 9-12
Description: Draws complete, labeled, hi-res graphs; graphs can then be modified; data tables may be saved.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Vernier Software $24.95

FREQTAB (Computl tool)
16)**Subj/Topic:**General **Grades:** 10-12
Description: Constructs a frequency table, plots a line graph for any set of data; separate textbook.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: COMPress $60 [pk65,4p]**

STATMEAS (Computl tool)
17)**Subj/Topic:**General **Grades:** 10-12
Description: Places data in order, calculates location and dispersion measures; separate textbook available.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: COMPress $60 [pk65,4p]**

GROUP (Computl tool)
18)**Subj/Topic:**General **Grades:** 10-12
Description: Calculates grouped mean, variance & standard deviation of a data set; separate textbook available.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: COMPress $60 [pk65,4p]**

FREQDIST (Computl tool)
19)**Subj/Topic:**General **Grades:** 10-12
Description: Constructs a frequency distribution and histogram for any data set; separate textbook available.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: COMPress $60 [pk65,4p]**

SCIENTIFIC PLOTTER (Computl tool)
20)**Subj/Topic:**General **Grades:** 10-12
Description: Makes hi-res graphs from keyboard/disk file/subroutine data;4 quadrants;flexible scal'g;user specif'd label.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + tape
Sce: Compuware $24.95

CURVE FITTER (Computl tool)
21)**Subj/Topic:**General **Grades:** 10-12
Description: Makes curves from keyboard/disk file/analog data; 3 ea least sq's interpol'n methods; projects values.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + tape
Sce: Compuware $34.95

EXPONENTIAL STEP (Computl tool)
22)**Subj/Topic:**General **Grades:** 10-12
Description: Graphs variation of any entity which grows/decays exponentially, eg, population, 1st order chem reactions, etc.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap32K+d; PET8K+t
Sce: Longman Group $ n/av [pk33,5p]**

†TEMP (Computl tool)
23)**Subj/Topic:**General **Grades:** 10-14
Description: Collects, stores, retrieves, & plots temp data;user-defined parameters; needs exper interface, temp sensor.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Cambridge Dev Labs $60

†GRAPHICAL ANALYSIS (Computl tool)
24)**Subj/Topic:**General **Grades:** 10-12
Description: Sci'tfc graphing tool; fits data to curve or linear plot; mixed case labels; numerical manipulations & overlay.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk drive
Sce: Digipac Comp Cnslt $23.95

SCIENCE: Basic Skills

BASIC ELECTRICITY (Tutorial)
25)**Subj/Topic:** Basic Skills **Grades:** 2-8
Description: Lesson, puzzle, quiz & demo on current flow & open, closed & short circuits; extensive use of graphics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Ideatech $21.45

†WORD RACE: AMER THEME/SCI (Educ'l game)
26)**Subj/Topic:** Basic Skills **Grades:** 2-7
Description: 8 students work simultaneously to solve science material; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d
Sce: Edupro $19.95

ANIMAL (Concept demo)
27)**Subj/Topic:** Basic Skills **Grades:** 4-8
Description: User "teaches" computer how to distinguish between animals; student learns to classify by characteristics.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Compuware $11.95 [pk28,5p]**

METRIC TREK (Educ'l game)
28)**Subj/Topic:** Basic Skills **Grades:** 4-12
Description: Space game; shooting, sound, timed scores, metric estimates, multiplayer, selectable difficulty.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + tape
Sce: Meta-Designed Soft $9.95

SIMPLE MACHINES (Tutorial)
29)**Subj/Topic:** Basic Skills **Grades:** 5-9
Description: Intros 6 simple machines (lever,pulley,etc.),gives sample applic., gives exer's, review, & mastery quiz.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Micro Power & Light $29.95

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SCIENCE: Basic Skills (CONT)

APPROXIMATE MEASUREMENT 1 (Tutorial)
1)**Subj/Topic:** Basic Skills **Grades:** 5-12
Description: Student learns that a measurement is reported based on the precision of one's measuring tool; also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk19,2p]**

APPROXIMATE MEASUREMENT 2 (Tutorial)
2)**Subj/Topic:** Basic Skills **Grades:** 6-12
Description: Given a ruler with markings, stud't creates the longest & shortest segment - 2 inches; also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk20,2p]**

METRIC (Rote drill)
3)**Subj/Topic:** Basic Skills **Grades:** 7-12
Description: Drill on SI units of mass, length & volume; reports student perform'c.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk104,12p]**
Rev's: PM Sp80(+); JCMST W81(+)

SYSTEM (Rote drill)
4)**Subj/Topic:** Basic Skills **Grades:** 7-12
Description: Drill on metric units of length, mass & volume; questions followed by immediate reinforcement.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET,16K Ap/TRS
Sce: Prog's for Learn'g $150 [pk105,11p]**
Rev's: JCMST W81(+)

EXPO (Tutorial)
5)**Subj/Topic:** Basic Skills **Grades:** 7-12
Description: Tutorial exercise explaining exponential notation; reports student performance.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk104,12p]**
Rev's: PM Sp80(+); JCMST W81(+)

PERCENT ERROR (Tutorial)
6)**Subj/Topic:** Basic Skills **Grades:** 7-12
Description: Instr'n, practice in identify'g experim'l & accepted values & in calculat'g per cent error; Mod3 vers $78.50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: TYC Software $68.50 [pk82,12p]**

MEASURES DRILL & PRACTICE (Skills pract)
7)**Subj/Topic:** Basic Skills **Grades:** 7-10
Description: Drill & practice on metric & English systems; conversion between units of distance, wgt, & dry/liquid measures.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Mic'comp Soft Sys $25

METRIC QUIZ (Test genrat)
8)**Subj/Topic:** Basic Skills **Grades:** 7-12
Description: 30-item test on metric prefixes, conversions, significant figures & scientific notation; can change questions.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

†TEAM WORK:WRLD AR US,SCIBC (Educ'l game)
9)**Subj/Topic:** Basic Skills **Grades:** 7-12
Description: 2 teams of 4 studts together solve science problems; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;padls
Sce: Edupro $19.95

WHAT'S THE SCORE? (Tutorial)
10)**Subj/Topic:** Basic Skills **Grades:** 6-12
Description: Instruction & practice on statistical measures, distributions, histograms & curves.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Micro Power & Light $29.95

INTERP (Simulation)
11)**Subj/Topic:** Basic Skills **Grades:** 10-12
Description: Student explores science' use of models with emphasis on the wave theory of light.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; P8K+t;Ap/TRS32K+d
Sce: Conduit $35

SCIENCE: Astronomy

THE SOLAR SYSTEM (Tutorial)
12)**Subj/Topic:** Astronomy **Grades:** 1-2
Description: Intros basic concepts about planets, sun, moon & stars; drills on concpets; has game reinforcer; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K + disk
Sce: Right On Programs $13

URSA (Tutorial)
13)**Subj/Topic:** Astronomy **Grades:** 5-6
Description: Intros 5 major constellat'ns around North Star, shows their positions at any time,explains timekeeping by stars.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk36,6p]**

†ASTRONOMY-SOLAR SYS VOYAGE (Tutorial)
14)**Subj/Topic:** Astronomy **Grades:** 5-9
Description: Introduction to astronomy; covers planets, stars, galaxies; quizzes; graphics; grading & teacher guide.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Concept Educ'l Sft $30

†BIG DIPPER (Concept demo)
15)**Subj/Topic:** Astronomy **Grades:** 6-12
Description: Shows Polaris & 7 stars in Big Dipper; dipper can be made to rotate about Polaris;right date&time shown; d$15.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; TRS+t;others+disk
Sce: Cybernetic Info $10

CONSTELLATIONS (Tutorial)
16)**Subj/Topic:** Astronomy **Grades:** 7-12
Description: Intros 8 constellations; accurate picture, highlight'g major star;can teach or test; series of 4 programs @ $15.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comaldor $20

TELLSTAR LEVEL I (Data retr'val)
17)**Subj/Topic:** Astronomy **Grades:** 7-12
Description: Locates, identifies & describes stellar objects visible in N. Hemisphere; hi-res displays, 9 directions.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Info Unlimited Sft $39.95
Rev's: SMW W82(+); ET 6/82(+); JRM V1(+)

ASTRONOMY II-CONSTELLAT'NS (Rote drill)
18)**Subj/Topic:** Astronomy **Grades:** 7-12
Description: Shows 24 constellations to study & identify; has scored test w/ remedial feedback;in 3-prg ser's(ser pr$90).
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Educat'l Coursewe $36

ASTRONOMY I (Tutorial)
19)**Subj/Topic:** Astronomy **Grades:** 7-12
Description: Intro to identif of constellations & location of heavenly bodies; in 3-prog series; series price $90.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Educat'l Coursewe $36

CONSTELLATIONS (Tutorial)
20)**Subj/Topic:** Astronomy **Grades:** 7-12
Description: Brief background. Twelve labelled constellations appear. Drill session follows using cursor movement.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comm*Data Comp Hse $9.95

MOON RISE/SET (Concept demo)
21)**Subj/Topic:** Astronomy **Grades:** 7-9
Description: Calculates the time of moon rise and moon set based on the location, time and zone.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Micro Learningware $7.95

ASTRONOMY HANDBOOK II (Computl tool)
22)**Subj/Topic:** Astronomy **Grades:** 7-9
Description: Provides positional information on the sun, moon & planets. Applicable to locations in U.S. and Canada.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Micro Learningware $7.95

†THE PLANETS (Tutorial)
23)**Subj/Topic:** Astronomy **Grades:** 7-10
Description: Introduction to the planets; take a fascinating voyage; learn basic facts & vocabulary; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; AP32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†ASTRONOMY - PLANETS (Simulation)
24)**Subj/Topic:** Astronomy **Grades:** 7-12
Description: Simulation of our solar system; study orbiting, distances, speeds Kepler's Laws,conjunction,opposition & more.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Educat'l Coursewe $36

%PLANET FINDER (Computl tool)
25)**Subj/Topic:** Astronomy **Grades:** 8-12
Description: Calculates all planet positions for any date after 1900; also gives orbital elem's, detailed & visual data.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Basics & Beyond $24.95 [pk15,20p]**

%SOLAR SYSTEM (Tutorial)
26)**Subj/Topic:** Astronomy **Grades:** 9-12
Description: Five programs about the contents of the solar system on ninth grade level.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Cross Educatl Soft $30

%STELLAR (Tutorial)
27)**Subj/Topic:** Astronomy **Grades:** 9-12
Description: 8 programs about the origin and end of elements, stars, and the universe.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Cross Educatl Soft $30
Rev's: IW V4#11(+)

STAR 80 (Computl tool)
28)**Subj/Topic:** Astronomy **Grades:** 9-12
Description: Contains over 420 stars,nebulae, & galaxies. Sky will be drawn for any given date and time of day.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Micro Learningware $7.95

†STARWARE (Computl tool)
29)**Subj/Topic:** Astronomy **Grades:** 9-14
Description: 900 star coordinates locate all constellations in both hemispheres; info in longitude, latitude & time zone.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 46K + disk
Sce: Atari Prog Exchng $22.95

†SOLAR SYSTEM (Tutorial)
30)**Subj/Topic:** Astronomy **Grades:** 9-12
Description: Student studies astronomy & solar system with set of 10 high res color drawings.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Versa Computing $39.95

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SCIENCE: Astronomy (CONT)

%THREE-BODY ORBITS (Simulation)
1)**Subj/Topic:** Astronomy **Grades:** 10-12
Description: Plots the true orbits of any three gravitationally interacting bodies; 4 programs.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: EduTech $85

†ASTRONOMY QUIZ (Rote drill)
2)**Subj/Topic:** Astronomy **Grades:** 9-12
Description: Drill to aid study of astron omy; table of planets provided; incorrect answers reviewed.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Comp Lrg Ctr Child $12.95

SCIENCE: Biology

OUR BODIES (Tutorial)
3)**Subj/Topic:** Biology **Grades:** 1-3
Description: Simple approach to different body systs, what they do & to hygiene;game to check recall; disk version $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Right On Programs $13

%AQUARIUM (Educ'l game)
4)**Subj/Topic:** Biology **Grades:** 1-9
Description: Simulation of a community aquarium containing five kinds of fish that interact.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Cross Educatl Soft $25

%DINOSAURS (Educ'l game)
5)**Subj/Topic:** Biology **Grades:** 1-12
Description: 5 games for a variety of age levels; in Hangman the dinosaur's name must be spelled before it reaches you.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Cross Educatl Soft $15

†PLANTS AND HOW THEY GROW (Tutorial)
6)**Subj/Topic:** Biology **Grades:** 2-3
Description: Intro to plants; what parts do & how seed carried to reproduce; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

INSECTS (Tutorial)
7)**Subj/Topic:** Biology **Grades:** 3-5
Description: Gives background information about insects; incl quest's to check recall; good intro for research; on dsk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Right On Programs $13

CELLS (Tutorial)
8)**Subj/Topic:** Biology **Grades:** 3-9
Description: Basic cell structure & cell division are explained using animated computer graphics; also on disk.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Educat'l Activit's $39
Rev's: BR V1#2(-)

†FROGMASTER (Educ'l game)
9)**Subj/Topic:** Biology **Grades:** 4-12
Description: For 1 to 4 players; learn how to use conditioning to train animals, turn inept tadpoles to scorers; joysticks.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 24K + disk
Sce: Atari Prog Exchng $22.95

CIRCULATION - SYSTEM (Tutorial)
10)**Subj/Topic:** Biology **Grades:** 5-11
Description: Instruction & questions on the pulmonary & systemic circulatory systems; uses animated color graphics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Micro Power & Light $29.95
Rev's: CC 10/80(0)

ODELL LAKE (Simulation)
11)**Subj/Topic:** Biology **Grades:** 5-10
Description: Student takes the role of a fish trying to survive in this food web simulation.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk36,6p]**
Rev's: JCR V1#1(+); JRM V1(+); TCT 2/82(+)

CIRCULATION (Tutorial)
12)**Subj/Topic:** Biology **Grades:** 5-8
Description: Teaches, demonstrates,qz'es on circulatory system of fish;color grafx show blood cell mov'g to body parts(MECC).
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+d;BASIC crtdg
Sce: Minn Ed Comp Consrt $30 [pk113,3p]**

ODELL LAKE (Educ'l game)
13)**Subj/Topic:** Biology **Grades:** 5-8
Description: Simulates food web in lake; student plays fish,takes action to survive encounters w/ other organisms (from MECC).
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+d;BASIC crtdg
Sce: Minn Ed Comp Consrt $30 [pk113,3p]**
Rev's: JRM V1(+);PM W81(+)on earlier App vers

ODELL WOODS (Simulation)
14)**Subj/Topic:** Biology **Grades:** 5-8
Description: Students play one of 4 animals found in no. U.S., make decisions to learn what's req'd to survive (from MECC).
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+d;BASIC crtdg
Sce: Minn Ed Comp Consrt $30 [pk113,3p]**
Rev's: JRM V1(+) (on earlier Apple vers)

ODELL WOODS (Simulation)
15)**Subj/Topic:** Biology **Grades:** 5-10
Description: A food web simulation involving animals found in northern Minnesota.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk36,6p]**
Rev's: PM W81(0); JRM V1(+)

†THE HUMAN BODY:AN OVERVIEW (Tutorial)
16)**Subj/Topic:** Biology **Grades:** 5-12
Description: See your body in new dimension, fascinating systems of human body come alive with animated graphics.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K;Ap+d;PET+tord
Sce: Brain Bank $90
Rev's: IW 2/1/82(+); ET 8/82(-); MR 11/82

†THE HUMAN SKELETON (Tutorial)
17)**Subj/Topic:** Biology **Grades:** 5-12
Description: Study what a bone is, major skeletal bones, joints, ligament & cartilage; review test included.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K;Ap+d;PET+tord
Sce: Brain Bank $70

CHROMY BUG (Skills pract)
18)**Subj/Topic:** Biology **Grades:** 6-9
Description: Students determine gene traits for parent bugs & use dominance rules to determine offspring gene traits.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: T.I.E.S. $49.95 [pk121,2p]**

BLOOD TYPING (Skills pract)
19)**Subj/Topic:** Biology **Grades:** 6-9
Description: Students identify blood types of baby bugs based on gene combinations of parent chromy bugs.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk
Sce: T.I.E.S. $49.95 [pk121,2p]**

MALARIA (Simulation)
20)**Subj/Topic:** Biology **Grades:** 7-12
Description: The student explores the economic, social & ecological implications of various types of malaria epidemic ctrl.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap48K+dsk; TRS16K
Sce: Compuware $24.95 [pk44,4p]**
Rev's: CC V6#10; SMW Su82(+); TCT 12/81(0)

HEART LAB (Simulation)
21)**Subj/Topic:** Biology **Grades:** 7-12
Description: Animated graphics are used to produce simulation model of functioning human heart; disk version $29.95.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Educat'l Activit's $24.95
Rev's: CRC V1#1(0)

†BIOLOGY I (Tutorial)
22)**Subj/Topic:** Biology **Grades:** 7-12
Description: Intro includes scientific methods, classification, natural selection and adaptation; guide included.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Adrian Vance $40

†BIOLOGY - ENERGY & LIFE (Tutorial)
23)**Subj/Topic:** Biology **Grades:** 7-13
Description: Dev'lps basic knwldg in energy sources & pyramids, chem. pathways, & aerobic & anaerobic respir'n; backup $50.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Encyclopedia Britt $133

†BIOLOGY - THE CELL (Tutorial)
24)**Subj/Topic:** Biology **Grades:** 7-13
Description: Dev. skills in cell biol & organization, organnelles, macromolecules of the cell, & viruses; backup $50.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K, 3.3 DOS
Sce: Encyclopedia Britt $133

%STERL1 - PEST CONTROL (Simulation)
25)**Subj/Topic:** Biology **Grades:** 8-12
Description: Student compares the release of sterile males & pesticides for controlling flies; a Huntington II program.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk1,6p]**

%POP-POPUL'N GROWTH MODELS (Simulation)
26)**Subj/Topic:** Biology **Grades:** 8-12
Description: Students explores 3 mathematical models of population growth; a Huntington II program.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk1,6p]**

%STERL2 - PEST CONTROL (Simulation)
27)**Subj/Topic:** Biology **Grades:** 8-12
Description: The student compares the costs of pesticides & release of sterile males for fly control; from Huntington II.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk1,6p]**

%PHOSYN- PHOTOSYNTHESIS (Simulation)
28)**Subj/Topic:** Biology **Grades:** 8-11
Description: Student investigates the effects on photosynthesis of varying CO2 concentration & light intensity.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk2,6p]**

THE HUMAN ADVENTURE (Educ'l game)
29)**Subj/Topic:** Biology **Grades:** 8-12
Description: User controls tiny craft thru body systems; explore/game modes(latter to find/kill cancer); CAT-scan graphx.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Med Systems Softwe $14.95
Rev's: S-80 9/80(0); PM W81(+)

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SCIENCE: Biology (CONT)

POP (Simulation)
1)**Subj/Topic:** Biology **Grades:** 9-12
Description: Enables exploration of 3 mathematical models of population growth, 4 graphs on screen at same time.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: N.C.C.C.D. $5
Rev's: SMW Su81(0)

COMPETE (Simulation)
2)**Subj/Topic:** Biology **Grades:** 9-12
Description: Student may explore interactions between real and hypothetical flowering plants.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; P8K+t;Ap/TRS32K+d
Sce: Conduit $35

TRIBBLES (Tutorial)
3)**Subj/Topic:** Biology **Grades:** 9-12
Description: Tutorial on the scientific method; simulates data for observation and hypothesis testing.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2.1
Sce: Conduit $35
Rev's: JCR V1#1(+); CR 10/82(-)

INHERITANCE (Simulation)
4)**Subj/Topic:** Biology **Grades:** 9-12
Description: Student explores inheritance of characteristics (incl multifactorial) in fruit flies, mice, and humans.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2.1
Sce: Conduit $95 [pk99,7p]**

TRANSPIRATION (Simulation)
5)**Subj/Topic:** Biology **Grades:** 9-12
Description: Student explores water loss in leaves.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2.1
Sce: Conduit $95 [pk99,7p]**

PREDATOR-PREY RELATIONSHPS (Simulation)
6)**Subj/Topic:** Biology **Grades:** 9-12
Description: Student explores interspecies relationships in ecosystems.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2.1
Sce: Conduit $95 [pk99,7p]**

POND ECOLOGY (Simulation)
7)**Subj/Topic:** Biology **Grades:** 9-12
Description: Student explores a freshwater community containing 3 trophic levels: phytoplankton, herbivores & fish.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2.1
Sce: Conduit $95 [pk99,7p]**

HUMAN ENERGY EXPENDITURE (Data retr'val)
8)**Subj/Topic:** Biology **Grades:** 9-12
Description: Student explores human energy req'ts in relation to activity, sex and body mass; data for 72 activities.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2.1
Sce: Conduit $95 [pk99,7p]**

COUNTERCURRENT SYSTEMS (Simulation)
9)**Subj/Topic:** Biology **Grades:** 9-12
Description: Student explores exchange & multiplier systems in animal bodies.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2.1
Sce: Conduit $95 [pk99,7p]**

STATISTICS FOR BIOLOGY (Computl tool)
10)**Subj/Topic:** Biology **Grades:** 9-12
Description: Computes mean, standard deviation and chi-square for introductory biology students.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2.1
Sce: Conduit $95 [pk99,7p]**

%TAG-MEASUR'G WILDLIFE POP (Simulation)
11)**Subj/Topic:** Biology **Grades:** 9-12
Description: Student explores the use of tagging & recovery to measure the size of wildlife populations; from Huntington II.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk2,6p]**

%GENE1 - TRAIT INHERITANCE (Simulation)
12)**Subj/Topic:** Biology **Grades:** 9-12
Description: Simulates trait inheritance according to the Mendelian model.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk2,6p]**

POP (Simulation)
13)**Subj/Topic:** Biology **Grades:** 9-12
Description: Student investigates three population growth models: exponential, logistical & logistical with low density.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; Ap48K+dsk;othr16K
Sce: Compuware $24.95 [pk69,4p]**
Rev's: CC 5/81; PM F79; MJ V3#2(+)

GENETICS (Skills pract)
14)**Subj/Topic:** Biology **Grades:** 9-12
Description: Displays family tree with traits marked; student tells which are dominant,recessive,sex-linked; gives help.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K+tape,CB2 sound
Sce: Micrcomp Workshops $20

DIFFUSION (Tutorial)
15)**Subj/Topic:** Biology **Grades:** 9-12
Description: Defines & graphically demonstrates diffusion, concentration, gradient & final concentration.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K;Ap+d,others t
Sce: Micrcomp Workshops $20

ANATOMY QZ-MUSCLES OF HEAD (Rote drill)
16)**Subj/Topic:** Biology **Grades:** 9-12
Description: Drills the student in human anatomy facts using 3 question formats; each $19.95; useful thru medical school.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: Profes Comp Systs $19.95

%ORDERIDENT (Tutorial)
17)**Subj/Topic:** Biology **Grades:** 9-12
Description: Interactive program to idenfy any North American insect to one of 26 orders in the class Insecta.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Educatl Computing $46.45

COEXIST (Simulation)
18)**Subj/Topic:** Biology **Grades:** 9-12
Description: Simulation of organisms conpeting with members of their own species; with another population; req's disk.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap48K/PET8K/TRS32
Sce: Conduit $35

†THE PHYSIOLOGY OF SLEEP (Computl tool)
19)**Subj/Topic:** Biology **Grades:** 9-12
Description: Heart & breathing rates of sleeping subject measured (sensor included; results compared to waking values.
Syst(s): Apple
Lang/Min Hdwre: FORTH; 48K + DOS 3.3
Sce: Human Relations Med $199 [pk124,10p]**

†APPLICATIONS TO PSYCHOLOGY (Computl tool)
20)**Subj/Topic:** Biology **Grades:** 9-12
Description: Several topics explored including biofeedback, conditioning, & perception; sensors included.
Syst(s): Apple
Lang/Min Hdwre: FORTH; 48K + DOS 3.3
Sce: Human Relations Med $199 [pk124,10p]**

†%CREATE-A-TEST BIOLOGY QUES (Test genrat)
21)**Subj/Topic:** Biology **Grades:** 9-12
Description: Over 400 quest'ns on cellular struct,physiology, etc; diffusion &osmosis,plant photosynth,gas exch,ecol role.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Cross Educatl Soft $49.95

†CALIBRATION (Computl tool)
22)**Subj/Topic:** Biology **Grades:** 9-12
Description: Temp & timing functions are calibrated against standards; requires accurate stopwatch, fever & lab thermomet's.
Syst(s): Apple
Lang/Min Hdwre: FORTH; 48K + DOS 3.3
Sce: Human Relations Med $199 [pk124,10p]**

†TEMPERATURE MEASUREMENTS (Computl tool)
23)**Subj/Topic:** Biology **Grades:** 9-12
Description: Temp probe (included) senses body & skin temperatures; special software uses input to plot breathing rate history.
Syst(s): Apple
Lang/Min Hdwre: FORTH; 48K + DOS 3.3
Sce: Human Relations Med $199 [pk124,10p]**

†HEART RATE MEASUREMENTS (Computl tool)
24)**Subj/Topic:** Biology **Grades:** 9-12
Description: Exper. uses light & sensor (incld) to measure heart rate by detecting variations in amt of light thru tissues.
Syst(s): Apple
Lang/Min Hdwre: FORTH; 48K + DOS 3.3
Sce: Human Relations Med $199 [pk124,10p]**

†REACTION-TIME MEASUREMENTS (Computl tool)
25)**Subj/Topic:** Biology **Grades:** 9-12
Description: Meas react'n times w/ bright light stimulus (sensor included); reinforces need for repetitive measurements.
Syst(s): Apple
Lang/Min Hdwre: FORTH; 48K + DOS 3.3
Sce: Human Relations Med $199 [pk124,10p]**

†HOMEOSTASIS (Computl tool)
26)**Subj/Topic:** Biology **Grades:** 9-12
Description: Exper. w/ body's ability to maintain constant internal temp as external temp changes; sensor included.
Syst(s): Apple
Lang/Min Hdwre: FORTH; 48K + DOS 3.3
Sce: Human Relations Med $199 [pk124,10p]**

†REACTION-TIME INVESTIG'NS (Computl tool)
27)**Subj/Topic:** Biology **Grades:** 9-12
Description: Effect on reaction times of stimulus type & response location studied; speeds of band, foot & facial muscles.
Syst(s): Apple
Lang/Min Hdwre: FORTH; 48K + DOS 3.3
Sce: Human Relations Med $199 [pk124,10p]**

†THE PHYSIOLOGY OF EXERCISE (Computl tool)
28)**Subj/Topic:** Biology **Grades:** 9-12
Description: The effect of exercise & physical condition on heart rate, breath'g rate, & skin temperature is investigated.
Syst(s): Apple
Lang/Min Hdwre: FORTH; 48K + DOS 3.3
Sce: Human Relations Med $199 [pk124,10p]**

†THE PHYSIOLOGY OF STRESS (Computl tool)
29)**Subj/Topic:** Biology **Grades:** 9-12
Description: Physiological response to stress of frustrating & abusive quizzes measured.
Syst(s): Apple
Lang/Min Hdwre: FORTH; 48K + DOS 3.3
Sce: Human Relations Med $199 [pk124,10p]**

†ANATOMY I (Rote drill)
30)**Subj/Topic:** Biology **Grades:** 9-12
Description: Drill in circulation, skeletal, respiratory, nervous, etc systems; high res color drawings.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Versa Computing $39.95

†LOCOMOTION (Tutorial)
31)**Subj/Topic:** Biology **Grades:** 9-13
Description: Students review function of bones, muscles & types; record keeping; 15 program set $250.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+disk
Sce: J & S Software $28
Rev's: MR 82

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

SCIENCE: Biology (CONT)

†BIOCHEMISTRY (Tutorial)
1)**Subj/Topic:** Biology **Grades:** 9-13
Description: Stud't review & learn basic atomic structure, balancing equations &properties of proteins & carbohedrates;S$250.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+disk
Sce: J & S Software $28
Rev's: MR 82

†DIGESTION (Tutorial)
2)**Subj/Topic:** Biology **Grades:** 9-13
Description: Students quest'nd on nutrients, digestion in simple organisms & humans; keeps records; 15 program set $250.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+disk
Sce: J & S Software $28
Rev's: MR 82

†ENDOCRINE SYSTEM (Tutorial)
3)**Subj/Topic:** Biology **Grades:** 9-13
Description: Students questioned on hormones, effects & problems; keeps records 15 program set $250.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+disk
Sce: J & S Software $28
Rev's: MR 82

†EXCRETION (Tutorial)
4)**Subj/Topic:** Biology **Grades:** 9-13
Description: Reviews metabolic wastes, waste removal, kidney function; keeps records; 15 program set $250.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+disk
Sce: J & S Software $28
Rev's: MR 82

†ASEXUAL REPRODUCTION (Tutorial)
5)**Subj/Topic:** Biology **Grades:** 9-13
Description: Reviews cell division; emphasis on mitosis & meiosis, simple organism repro; keeps records, 15 prog set$250.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+disk
Sce: J & S Software $28
Rev's: MR 82

†TRANSPORT (Tutorial)
6)**Subj/Topic:** Biology **Grades:** 9-13
Description: Reviews blood & lymph syst, blood cells & types; keeps records; 15 program set $250.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+disk
Sce: J & S Software $28
Rev's: MR 82

†RESPIRATION (Tutorial)
7)**Subj/Topic:** Biology **Grades:** 9-13
Description: Reviews cellular respir'n, structures & chemical process; keeps records, 15 program set $250.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+disk
Sce: J & S Software $28
Rev's: MR 82

†REPRODUCTION PLANTS (Tutorial)
8)**Subj/Topic:** Biology **Grades:** 9-13
Description: Reviews asexual & sexual reproduction in plants; flower emphasized; keeps records, 15 program set $250.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+disk
Sce: J & S Software $28
Rev's: MR 82

†ANIMAL REPRODUCTION (Tutorial)
9)**Subj/Topic:** Biology **Grades:** 9-13
Description: Reviews sperm development, egg & fertilized egg; keeps records, 15 program set $250.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+disk
Sce: J & S Software $28
Rev's: MR 82

†CLASSIFICATION (Tutorial)
10)**Subj/Topic:** Biology **Grades:** 9-13
Description: Students review & learn organization of living things, keeps records 15 program set $250.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+disk
Sce: J & S Software $28
Rev's: MR 82

†PHOTOSYNTHESIS & TRANSPORT (Tutorial)
11)**Subj/Topic:** Biology **Grades:** 9-13
Description: Students review & learn photosynthesis & transport in plants; keeps records, 15 program set $250.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+disk
Sce: J & S Software $28
Rev's: MR 82; JRM V1(+)

†NERVOUS SYSTEM (Tutorial)
12)**Subj/Topic:** Biology **Grades:** 9-13
Description: Student learns about nerves, reflexes, chemical transfer of impulses; keeps records; 15 program set $250.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+disk
Sce: J & S Software $28
Rev's: MR 82

†CELLS (Tutorial)
13)**Subj/Topic:** Biology **Grades:** 9-13
Description: Students review & learn info on cell theory, structure; keeps records; 15 program set $250.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+disk
Sce: J & S Software $28
Rev's: MR 82; SMW Su82(+)

PROFILE (Simulation)
14)**Subj/Topic:** Biology **Grades:** 10-12
Description: Models age and sex distribution for stable & unstable populations; student may use sample or own population.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: COMPress $50

POPULATION SIZES (Simulation)
15)**Subj/Topic:** Biology **Grades:** 10-12
Description: Simulates a dynamic population; graphs arithmetic or geometrical growth; 6 carrying capacity options.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: COMPress $50 [pk66,2p]**
Rev's: JRM V1(0)

ALLOMETRY (Simulation)
16)**Subj/Topic:** Biology **Grades:** 10-12
Description: Simulates change in body shape with age; compares up to five organs.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: COMPress $50 [pk66,2p]**

INTERACTIONS (Simulation)
17)**Subj/Topic:** Biology **Grades:** 10-12
Description: Models interactions among up to five competitor/prey/predator populations.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: COMPress $50

POPULATE (Simulation)
18)**Subj/Topic:** Biology **Grades:** 10-12
Description: Enables user to investigate the characteristics of a dynamic population using U.S. or other statistics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: COMPress $65 [pk23,4p]**

GENIE (Simulation)
19)**Subj/Topic:** Biology **Grades:** 10-12
Description: Student explores phenomena incl dominance, lethality, linkage;up to 3 traits, 5 alleles, any dominance combo.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: COMPress $60

EVOLUTION (Simulation)
20)**Subj/Topic:** Biology **Grades:** 10-12
Description: Student explores the effects of various factors on allele frequency changes using Hardy-Weinberg model.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: COMPress $80

MAGIC FLAG (Concept demo)
21)**Subj/Topic:** Biology **Grades:** 10-12
Description: Illustrates entropy by means of flag whose spots change color as a result of interacting with surroundings.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: COMPress $25

LINKOVER (Simulation)
22)**Subj/Topic:** Biology **Grades:** 10-12
Description: User may do genetic mapping experiments with emphasis on linkage and crossover.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; P8K+t;Ap/TRS32K+d
Sce: Conduit $35

EVOLUT (Simulation)
23)**Subj/Topic:** Biology **Grades:** 10-12
Description: Student investigates factors involved in evolution by inherited variations.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; P8K+t;Ap/TRS32K+d
Sce: Conduit $35
Rev's: JRM V1(0)

%HARDY-POPULATION GENETICS (Simulation)
24)**Subj/Topic:** Biology **Grades:** 10-12
Description: Leads a student through the formulation of the Hardy-Weinberg principle of population genetics.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk2,6p]**

%LOCKEY- ENZYME SPECIFICITY (Simulation)
25)**Subj/Topic:** Biology **Grades:** 10-12
Description: Student investigates the biochemical lock & key model of enzyme specificity; a Huntington II program.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk2,6p]**

DIHYBRID (Simulation)
26)**Subj/Topic:** Biology **Grades:** 10-12
Description: Experiment involving a dyhybrid cross & exhibiting independent assortment; demos Mendel's orig exp on peas.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap32K+d; PET8K+t
Sce: Longman Group $ n/av [pk34,3p]**

CHROMOSOME (Simulation)
27)**Subj/Topic:** Biology **Grades:** 10-12
Description: Simulates wide variety of Drosophila crosses; data is pictorial & indistinguishable from actual experiments.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap32K+d; PET8K+t
Sce: Longman Group $ n/av [pk34,3p]**

NATURAL SELECTION (Simulation)
28)**Subj/Topic:** Biology **Grades:** 10-12
Description: Student explores changes in proportions of peppered moth types resulting from aerial pollution; uses graphics.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap32K+d; PET8K+t
Sce: Longman Group $ n/av [pk35,3p]**

GENETIC DRIFT (Simulation)
29)**Subj/Topic:** Biology **Grades:** 10-12
Description: Explores effects of random processes on gene frequencies when population reduced to small size &then recovers.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap32K+d; PET8K+t
Sce: Longman Group $ n/av [pk35,3p]**

MONOHYBRID (Simulation)
30)**Subj/Topic:** Biology **Grades:** 10-12
Description: Experiment involving monohybrid cross generating batches of 12 offspring; data in pictures,graphs or tables.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap32K+d; PET8K+t
Sce: Longman Group $ n/av [pk34,3p]**

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SCIENCE: Biology (CONT)

EVOLUTION (Simulation)
1)**Subj/Topic:** Biology **Grades:** 10-12
Description: Explores the effects of migration, genetic drift & selection on large & small popul'ns (breed'g barriers).
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap32K+d; PET8K+t
Sce: Longman Group $ n/av [pk35,3p]**

PROFILE (Evans) (Computl tool)
2)**Subj/Topic:** Biology **Grades:** 11-12
Description: Calculates stable age distributions for stationary & growing populations using U.S. mortality statistics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: COMPress $65 [pk23,4p]**

%**BIRDBREED** (Simulation)
3)**Subj/Topic:** Biology **Grades:** 11-12
Description: Genetic analysis of dominance, sex linkage, multiple alleles, gene interaction, independent assortment.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2/3.3
Sce: EduTech $95
Rev's: IW 9/82(+); SMW W83(+)

SCIENCE: Chemistry

BALANCING CHEM'L EQUATIONS (Tutorial)
4)**Subj/Topic:** Chemistry **Grades:** 9-12
Description: Intros balanc'g elementary chem equations, gives practices; all work on screen; immed error flag'g,remediation.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Micrcomp Workshops $20

COLOR CHEMISTRY SIMULATION (Concept demo)
5)**Subj/Topic:** Chemistry **Grades:** 9-12
Description: Kinetics, Charles Law, Boyles Law, titration, conductivity & solubi-experiments w/ student inputs, exerc's.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Radio Shack $199

†%**CREATE-A-TEST CHEM QUESTNS** (Test genrat)
6)**Subj/Topic:** Chemistry **Grades:** 10-14
Description: 4 files w/ over 1600 questns on 70 chemistry topics; 2 disks from H.S. chem,others more advanced; ea disk $49.95.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Cross Educatl Soft $49.95

%**CHEM LAB SIMULATION #3** (Skills pract)
7)**Subj/Topic:** Chemistry **Grades:** 11-12
Description: Four calorimetry experiments to demonstrate Hess' Law; with high - and low-resolution graphics.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; App48K+d;Ata40K+d
Sce: High Tech Soft Prd $100

%**CHEM LAB SIMULATIONS #1** (Simulation)
8)**Subj/Topic:** Chemistry **Grades:** 11-12
Description: Graphic simulations of experim'ts: titration, determinat'n of equilibrium constant & of Avogadro's Number.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; App48K+d;Ata40K+d
Sce: High Tech Soft Prd $100
Rev's: CC V6#9(+); CC 1/81; JRM V1(+)

Multiple Topics

†**CHEMISTRY SIMULAT'NS SET I** (Simulation)
9)**Subj/Topic:** Multiple Topics **Grades:** 10-14
Description: Determining molecular weight of gas/acid-base titration; hi-resolution animated graphic lab simulations.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Aquarius Publish's $29.95

Nucleonics

NUCLER (Skills pract)
10)**Subj/Topic:** Nucleonics **Grades:** 11-12
Description: Practice interpreting nuclear equations where 1 sub-atomic particle is omitted; reports student perform'c.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk103,9p]**
Rev's: JCMST W81(+)

RADIOACTIVITY - HALF LIFE (Simulation)
11)**Subj/Topic:** Nucleonics **Grades:** 11-12
Description: Student collects data for 7-min. period in decay of shore-lived isotope, then determines half life; w/sound.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; PET8K/Appl6K+tape
Sce: Merlan Scientific $20

Acid-Base Chem

†**CHEMISTRY - ACIDS & BASES** (Tutorial)
12)**Subj/Topic:** Acid-Base Chem **Grades:** 9-13
Description: Provides help in acid/base equilibrium constant, formula, acid/base titration simulation & more; backup $25.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K, 3.3 DOS
Sce: Encyclopedia Britt $74

†**PH PLOT** (Computl tool)
13)**Subj/Topic:** Acid-Base Chem **Grades:** 10-14
Description: Monitors & graphs pH vs vol; can save,regraph,print plots;superimpose 2 graphs;needs exper interface, pH sensor.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Cambridge Dev Labs $75

†**ACID BASE THEORIES** (Tutorial)
14)**Subj/Topic:** Acid-Base Chem **Grades:** 10-13
Description: Bronsted-Lowry Theory, nam'g & neutralization cov'd; graphics; keeps records; 15 prog set $185; also on disk.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+tape
Sce: J & S Software $23
Rev's: SMW Su82(+)

†**ACID BASE PROBLEMS** (Tutorial)
15)**Subj/Topic:** Acid-Base Chem **Grades:** 10-13
Description: Rev'ws pH, titration probs, dilution, etc; keeps records; 15 program set $185; also on disk.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+tape
Sce: J & S Software $23
Rev's: SMW Su82(+)

†**TITRATOR** (Concept demo)
16)**Subj/Topic:** Acid-Base Chem **Grades:** 10-12
Description: Simul'ts acid/base trtration in hi-res;draws pH curve,shows color chng, sound & graph; user chooses acid strength.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,joystick
Sce: Digipac Comp Cnslt $23.95

TITRATION (Simulation)
17)**Subj/Topic:** Acid-Base Chem **Grades:** 11-12
Description: Simulates typical acid or base titration; process can be controlled & observed on screen.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Mentor Software $19.95

BRONSTD (Rote drill)
18)**Subj/Topic:** Acid-Base Chem **Grades:** 11-12
Description: Drill on recognizing Bronsted acids & bases in randomly selected reactions; reports student performance.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk102,11p]**
Rev's: JCMST W81(+)

DRILL 2 (Skills pract)
19)**Subj/Topic:** Acid-Base Chem **Grades:** 11-12
Description: Practice solving pH/pOH problems for acid, base & buffer solutions of various strengths; reports perf.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk102,11p]**
Rev's: JCMST W81(+)

DRILL 1 (Skills pract)
20)**Subj/Topic:** Acid-Base Chem **Grades:** 11-12
Description: Drill on basic concepts,eg., identifying conjugate acids/bases & relative strengths of acids; reports perf'nc.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk102,11p]**
Rev's: JCMST W81(+)

KHP (Skills pract)
21)**Subj/Topic:** Acid-Base Chem **Grades:** 11-12
Description: Practice problems on standardization with KHP & finding the equivalent weight of an unknown acid.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk102,11p]**
Rev's: JCMST W81(+)

ENDPT (Simulation)
22)**Subj/Topic:** Acid-Base Chem **Grades:** 11-12
Description: Simulated titration experiment; student tries to analyze acid sample in most efficient way; reports perform'nc.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk102,11p]**
Rev's: JCMST W81(+)

BUFFER (Concept demo)
23)**Subj/Topic:** Acid-Base Chem **Grades:** 11-12
Description: Compares pH changes as a strong acid or base is added to both a buffered solution & pure water.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk102,11p]**
Rev's: JCMST W81(+)

PH (CH710) (Skills pract)
24)**Subj/Topic:** Acid-Base Chem **Grades:** 11-12
Description: Practice in computing pH, given H+ & OH- and vice versa; includes 3 prob types on 2 levels;stores/reprts perf.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K+dsk;ptr opt'l
Sce: Redcomp Services $19.95

pH CONCEPT (Skills pract)
25)**Subj/Topic:** Acid-Base Chem **Grades:** 11-12
Description: Questions on the concept of ph & pOH; involves use of logarithmic scales; dialog/exer sheets; reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

PHYSICS TUTOR UNITS

Each contains subject synopsis, formulae, problems, and solutions.
TITLES: DYNAMICS-NEWTON'S LAWS, MOMENTUM, HEAT AND TEMPERATURE (A), HEAT AND TEMPERATURE STUDY UNIT (B).
TAPE 12.50 ea. four units/50.00
DISK 14.50 ea. four units/55.00
THE TEACHING ASSISTANT
22 SEWARD DRIVE
HUNT. STA., NY 11746

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

Atomic Structure

†MOLEC (Computl tool)
1)**Subj/Topic:** Atomic Structure **Grades:**10-14
Description: 3 dimensional molecular modeling with data files; easier molecule entry from X-ray data; expand screen dump.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 64K + DOS 3.3
Sce: Cambridge Dev Labs $150

†PERIODIC TABLE (Tutorial)
2)**Subj/Topic:** Atomic Structure **Grades:**10-13
Description: Formulas, atomic radius,mass #, ionizat'n activity,# & type of particle in atom; 15 prog set $185; also on disk.
Syst(s): Apple
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+tape
Sce: J & S Software $23
Rev's: SMW Su82(+); CRC V1#1; MR 82

†ELECTRON STRUCTURE (Tutorial)
3)**Subj/Topic:** Atomic Structure **Grades:**10-13
Description: Students review & learn orbitals, valence, sublevels & more; keeps records; 15 prog set $185; also on disk.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+tape
Sce: J & S Software $23
Rev's: SMW Su82(+)

ELEMENT (Rote drill)
4)**Subj/Topic:** Atomic Structure **Grades:**11-12
Description: Drill on symbols, atomic numbers & electron configurations of the first 20 elements; reports student perf.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk104,12p]**
Rev's: PM Sp80(+); JCMST W81(+)

ATOMIC (Rote drill)
5)**Subj/Topic:** Atomic Structure **Grades:**11-12
Description: Drill on the number of protons, neutrons & electrons with atomic numbers through 22; reports student perf.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk103,9p]**
Rev's: JCMST W81(+)

LEWIS (Rote drill)
6)**Subj/Topic:** Atomic Structure **Grades:**11-12
Description: Drill to develop mastery of the octet rule; reports student perform'nc.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk103,9p]**
Rev's: JCMST W81(+)

IONS (Rote drill)
7)**Subj/Topic:** Atomic Structure **Grades:**11-12
Description: Drill concerning symbols and charges for commmon ions; reports student performance.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk104,12p]**
Rev's: JCMST W81(+)

IP - IONIZATION ENERGIES (Skills pract)
8)**Subj/Topic:** Atomic Structure **Grades:**11-12
Description: Student practices predicting relative ionization energies of atoms, based on positions in Periodic Table.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk103,9p]**
Rev's: JCMST W81(+)

SPDF (Skills pract)
9)**Subj/Topic:** Atomic Structure **Grades:**11-12
Description: Practice on finding the no. of electrons with given principal & azimuthal quantum nos.; reports student perf.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk103,9p]**
Rev's: JCMST W81(+)

MILKAN (Simulation)
10)**Subj/Topic:** Atomic Structure **Grades:**11-12
Description: Simulation of the Millikan Oil Drop experiment; students collect & correlate data, draw conclusions.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk103,9p]**
Rev's: JCMST W81(+)

PERIODIC TABLE (Educ'l game)
11)**Subj/Topic:** Atomic Structure **Grades:**11-12
Description: Drill, in game format, on atomic symbols and position of elements in the periodic table.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: James P. Birk $6

CHEMICAL SYMBOLS (Rote drill)
12)**Subj/Topic:** Atomic Structure **Grades:**11-12
Description: Drill on names & symbols of elements; user may elect only common elements or all; reports performance.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Indian Head Softwe $5.95

CHEMDATA (Data retr'val)
13)**Subj/Topic:** Atomic Structure **Grades:**11-12
Description: Student explores periodical table patterns; prog graphs any of 9 characteristics for 43 elements & also groups.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Longman Group $ n/av

VALENCE (Rote drill)
14)**Subj/Topic:** Atomic Structure **Grades:**11-12
Description: Drill on most stable valence of 97 elements; reports performance.
Syst(s): TRS-80 TRSCol
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

Analytical Chem

EXP19 (Simulation)
15)**Subj/Topic:** Analytical Chem **Grades:**11-12
Description: Simulates the ChemStudy experiment on developing an analysis scheme based on 3 solutions & 4 test reagents.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk105,11p]**
Rev's: JCMST W81(+)

EXP20 (Simulation)
16)**Subj/Topic:** Analytical Chem **Grades:**11-12
Description: Simulation of ChemStudy experiment on qualitative analysis of 2nd group metals.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk105,11p]**
Rev's: JCMST W81(+)

Formulas/Comp'ds

†MOLES AND FORMULAS (Tutorial)
17)**Subj/Topic:** Formulas/Comp'ds **Grades:**10-13
Description: Rev'w convertng grams to moles, # molec'ls to moles,Avogadros relation'p,% comp;15-p set $185; also on disk.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+tape
Sce: J & S Software $23
Rev's: SMW Su82(+)

MOLWT (Skills pract)
18)**Subj/Topic:** Formulas/Comp'ds **Grades:**11-12
Description: Practice in computing molecular weights for given formulas; reports student performance.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk104,12p]**
Rev's: PM Sp80(+); JCMST W81(+)

MOLECULAR WGTS/COMPD RECOG (Skills pract)
19)**Subj/Topic:** Formulas/Comp'ds **Grades:**11-12
Description: Practice computing molecular wgts of inorg compds & determining stoichiometric formulas; gives help,reprts perf.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Redcomp Services $22.95

MOLECULAR WEIGHT OF A GAS (Simulation)
20)**Subj/Topic:** Formulas/Comp'ds **Grades:**11-12
Description: Experiment in which student determines molecular wgt of CO2 by evaporating dry ice in loosely stoppered flask.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: James P. Birk $6

MOLARITY (Skills pract)
21)**Subj/Topic:** Formulas/Comp'ds **Grades:**11-12
Description: Questions on molarity and the mole concept; dialog or exercise sheets; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K+t,ptr
Sce: Microphys $20

GRAM-MOLECULAR MASS (Skills pract)
22)**Subj/Topic:** Formulas/Comp'ds **Grades:**11-12
Description: Generates inorganic compounds for determination of molecular masses; dialog/exer. sheets; reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K+t,ptr
Sce: Microphys $20
Rev's: PM Sp80(+)

FORMULAS OF COMPOUNDS DRIL (Skills pract)
23)**Subj/Topic:** Formulas/Comp'ds **Grades:**11-12
Description: Practice writing formulas for randomly generated compounds; dialog or exer. sheets; reports student perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K+t,ptr
Sce: Microphys $20

MOLALITY CONCEPT (Skills pract)
24)**Subj/Topic:** Formulas/Comp'ds **Grades:**11-12
Description: Questions on gram-molecular mass and molality; dialog or exercise sheets; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K+t,ptr
Sce: Microphys $20

MOLE CONCEPT (Skills pract)
25)**Subj/Topic:** Formulas/Comp'ds **Grades:**11-12
Description: Questions on the mole concept and chemical formula writing; dialog or exer. sheets; reports student perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K+t,ptr
Sce: Microphys $20

SYMBOLS & VALENCES DRILL (Skills pract)
26)**Subj/Topic:** Formulas/Comp'ds **Grades:**11-12
Description: Practice in learning the symbols & valences of common ions & radicals; dialog/exer. sheets; reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K+t,ptr
Sce: Microphys $20

NAMING COMPOUNDS DRILL (Skills pract)
27)**Subj/Topic:** Formulas/Comp'ds **Grades:**11-12
Description: Practice naming compounds whose formulas are given; dialog or exercise sheets; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K+t,ptr
Sce: Microphys $20

CHEMISTRY ANALYSIS I (Computl tool)
28)**Subj/Topic:** Formulas/Comp'ds **Grades:**11-12
Description: Utility program which solves problems involving the mole concept and molarity.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K +tape
Sce: Microphys $20

Miscellaneous

H2S (Skills pract)
29)**Subj/Topic:** Miscellaneous **Grades:**11-12
Description: Pract probl's on concentrations of various species present in H2S solutions at varying pH values.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET,16KAp/TRS
Sce: Prog's for Learn'g $150 [pk106,10p]**
Rev's: JCMST W81(+)

† This is a new entry in THE SOFTWARE FINDER. ** See Intro. and Sect. II-3.

Chemistry: Miscellaneous (CONT)

I.R. SIMULATOR (Simulation)
1)**Subj/Topic:** Miscellaneous **Grades:**11-12
Description: Generates infrared spectrum on screen; optional printout; for use with Caple&Friend,"Exper Seqs in Organic/Bio".
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Educ Softwe & Des $7.95

I.R. TUTOR (Tutorial)
2)**Subj/Topic:** Miscellaneous **Grades:**11-12
Description: Introduces infrared spectroscopy, identification of chain structures, & functional groups;w/ review.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Educ Softwe & Des $9.95

React'ns/Equilib

†BONDING IN MOLECULES (Tutorial)
3)**Subj/Topic:** React'ns/Equilib **Grades:**9-13
Description: Reviews bonding & its relationship to periodic table; keeps records; 15 program set $185; also on disk.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+tape
Sce: J & S Software $23
Rev's: SMW Su82(+)

†BONDING BETWEEN MOLECULES (Tutorial)
4)**Subj/Topic:** React'ns/Equilib **Grades:**9-13
Description: Rev'ws hybridization, molecular shapes, Van derWaals force & other bonding; 15 prog set $185; also on disk.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+tape
Sce: J & S Software $23
Rev's: SMW Su82(+)

†KINETICS (Tutorial)
5)**Subj/Topic:** React'ns/Equilib **Grades:**9-13
Description: Rev'ws reaction rates, collision theory & energy diagrams; keeps records; 15 prog set $185; also on disk.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+tape
Sce: J & S Software $23
Rev's: SMW Su82(+)

†CHEMISTRY SIMULA'NS SET II (Simulation)
6)**Subj/Topic:** React'ns/Equilib **Grades:**10-14
Description: Replacement of hydrogen by more active metal; 50 common ions (quiz); graphic lab simulations.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Aquarius Publish's $29.95

†CHEMICAL EQUATIONS (Tutorial)
7)**Subj/Topic:** React'ns/Equilib **Grades:**10-13
Description: Pract balanc'g equations, mole relationships in equations & weight - weight prob; 15 p set $185; also on disk.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+tape
Sce: J & S Software $23
Rev's: SMW Su82(+)

†ELECTROCHEMICAL CELLS (Tutorial)
8)**Subj/Topic:** React'ns/Equilib **Grades:**10-13
Description: Study of cells, voltages, oxidizing & reducing agents; keeps records 15 program set $185; also on disk.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+tape
Sce: J & S Software $23
Rev's: SMW Su82(+)

†OXIDATION-REDUCTION (Tutorial)
9)**Subj/Topic:** React'ns/Equilib **Grades:**9-13
Description: Reviews cells, voltages, oxidizing agents etc; keeps records, 15 program set $185; also on disk.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+tape
Sce: J & S Software $23
Rev's: SMW Su82(+); MR 82

†EQUILIBRIUM (Tutorial)
10)**Subj/Topic:** React'ns/Equilib **Grades:**10-13
Description: Reviews & teaches LeChatelliers Principle,equilibrium contrants;keeps records; 15-prg pkg $185; also on disk.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+tape
Sce: J & S Software $23
Rev's: SMW Su82(+)

EQPROB (Skills pract)
11)**Subj/Topic:** React'ns/Equilib **Grades:**11-12
Description: For a given reaction type, practice finding equilibrium constant when concentration is known & vice versa.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk106,10p]**
Rev's: JCMST W81(+)

LECHAT (Skills pract)
12)**Subj/Topic:** React'ns/Equilib **Grades:**11-12
Description: Drill on applications of Le Chatelier's Principle; presents questions, evaluates responses, gives help if needed.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET,16K Ap/TRS
Sce: Prog's for Learn'g $150 [pk106,10p]**
Rev's: JCMST W81(+)

EQCALC (Skills pract)
13)**Subj/Topic:** React'ns/Equilib **Grades:**11-12
Description: Practice estimating equilibrium concentrations for any reaction with known equilibr'm constant; reports perf.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk106,10p]**
Rev's: JCMST W81(+)

HIEQ (Simulation)
14)**Subj/Topic:** React'ns/Equilib **Grades:**11-12
Description: Student observes simulated hydrogen/iodine-HI equilibrium as introduction to equilibrium constants.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET,16K Ap/TRS
Sce: Prog's for Learn'g $150 [pk106,10p]**
Rev's: JCMST W81(+)

HABER (Simulation)
15)**Subj/Topic:** React'ns/Equilib **Grades:**11-12
Description: Experiment in NH4 synthesis; studies the effects of varying temperature, pressure & catalyst.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS+t
Sce: Prog's for Learn'g $150 [pk106,10p]**
Rev's: JCMST W81(+)

EQUIL (Simulation)
16)**Subj/Topic:** React'ns/Equilib **Grades:**11-12
Description: Student investigates equilibrium systems with large & small Keq's; learns Keq-concentration relationship.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk106,10p]**
Rev's: JCMST W81(+)

ABEQ (Simulation)
17)**Subj/Topic:** React'ns/Equilib **Grades:**11-12
Description: Student explores the effects of initial concentration & dissociation constant on an acid-base equilibrium.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap/TRS16K+t
Sce: Prog's for Learn'g $150 [pk102,11p]**
Rev's: JCMST W81(+)

HABER (Simulation)
18)**Subj/Topic:** React'ns/Equilib **Grades:**11-12
Description: Student investigates the effects of various factors on the production of ammonia by the Haber process.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; P8K+t;Ap/TRS32K+d
Sce: Conduit $35

RKINET (Simulation)
19)**Subj/Topic:** React'ns/Equilib **Grades:**11-12
Description: Student may study the effects of various factors on reaction kinetics.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; P8K+t;Ap/TRS32K+d
Sce: Conduit $35

%CHEM LAB SIMULATION #4 (Skills pract)
20)**Subj/Topic:** React'ns/Equilib **Grades:**11-12
Description: Thermodynamics of an equilibrium reaction & heat of vaporization. Dynamic high-and low-resolution graphics.
Syst(s): Apple Atari
Lang/Min Hdwre: BASIC; App48K+d;Ata40K+d
Sce: High Tech Soft Prd $100

Oxid-Reduc Chem

†ORGANIC CHEMISTRY (Tutorial)
21)**Subj/Topic:** Oxid-Reduc Chem **Grades:**10-13
Description: Reviews isomers, naming, functional groups & reactions; keeps records; 15-prg pkg $185; also on disk.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+tape
Sce: J & S Software $23
Rev's: SMW Su82(+)

REDOX (Skills pract)
22)**Subj/Topic:** Oxid-Reduc Chem **Grades:**11-12
Description: Practice on redox topics, e.g., electrodes, electron flow direction, potential difference; reports performance.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk105,11p]**
Rev's: JCMST W81(+)

EMF OF ELECTROCHEM'L CELLS (Skills pract)
23)**Subj/Topic:** Oxid-Reduc Chem **Grades:**11-12
Description: Questions on finding EMF of electrochemical cells; practice dialog or exer. sheets; reports student perform'nc.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K+t,ptr
Sce: Microphys $20

Solutions

†MOLE CALCULATIONS (Skills pract)
24)**Subj/Topic:** Solutions **Grades:**10-12
Description: Practice w/ mole questions created on printer; stu'ts check own work; corrects answers & stores results.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk, printer
Sce: Digipac Comp Cnslt $19.95

†SOLUTIONS (Tutorial)
25)**Subj/Topic:** Solutions **Grades:**10-13
Description: Pract nam'g,ion concentr'ns, molarity, calorie probs & form&tn of precipitates; 15 p set $185; also on disk.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+tape
Sce: J & S Software $23
Rev's: SMW Su82(+)

PERCENT CONCENTRATION (Skills pract)
26)**Subj/Topic:** Solutions **Grades:**11-12
Description: Questions on calculating the percent or fractional concentration of solutions; dialog/exer. sheets;reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/16KAp+t,ptr
Sce: Microphys $20

CHEMISTRY ANALYSIS II (Computl tool)
27)**Subj/Topic:** Solutions **Grades:**11-12
Description: Solves problems involving normality, molality, changes in freezing & boiling points of solutions.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K +tape
Sce: Microphys $20

KSP-2 (Skills pract)
28)**Subj/Topic:** Solutions **Grades:**11-12
Description: Pract using solubility product to predict precipitat'n in mixtures of diluted ions of slightly soluble compound.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Prog's for Learn'g $150 [pk106,10p]**
Rev's: JCMST W81(+)

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

Chemistry: Solutions (CONT)

KSP (Skills pract)
1)**Subj/Topic:** Solutions **Grades:**11-12
Description: Pract with solubility product calculations; gives questions, evaluates answers, gives help if needed.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Prog's for Learn'g $150 [pk106,10p]**
Rev's: JCMST W81(+)

SOLUBLE (Skills pract)
2)**Subj/Topic:** Solutions **Grades:**11-12
Description: Practice on interpretation of typical solubility curves; reports student performance.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk105,11p]**
Rev's: JCMST W81(+)

COMPOUND ID, MASS, MOLES (Skills pract)
3)**Subj/Topic:** Solutions **Grades:**11-12
Description: Pract finding moles of compound in sol'n & gms. of solute,given solute vol,comp'd name,molarity; gives help.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Redcomp Services $22.95

NORMALITY CONCEPT (Skills pract)
4)**Subj/Topic:** Solutions **Grades:**11-12
Description: Questions on gram-molecular mass, gram-equivalent mass & normality; dialog/exer. sheets; reports student perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K+t,ptr
Sce: Microphys $20

States of Matter

†MOLECULAR MOTION (Concept demo)
5)**Subj/Topic:** States of Matter **Grades:**8-12
Description: Simul'ts movement of gaseous molecules; sugg experiments incl'd effect of mass, temp, volume & qnty on pressure.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K+ disk drive
Sce: Digipac Comp Cnslt $23.95

†CHEMISTRY - THE GAS LAWS (Skills pract)
6)**Subj/Topic:** States of Matter **Grades:**9-12
Description: Provides practice solving unlimited amount of gas law equation problems; grading system & teachers guide.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Concept Educ'l Sft $30

†GAS RELATIONSHIPS (Tutorial)
7)**Subj/Topic:** States of Matter **Grades:**10-13
Description: Boyles & Chares Laws,partial pressure, vol-vol eq'tn rel'tnshp, wt-vol probs, gas dens'ts;15p set $185;also on d.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap48K/TRS32K+tape
Sce: J & S Software $23
Rev's: MR 82,CRC V1#1(+)

THERMODYNAMICS II (Skills pract)
8)**Subj/Topic:** States of Matter **Grades:**11-12
Description: Questions on behavior of a gas under isobaric compres'n where heat is removed;dialog/exer. sheets;reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K,t,ptr
Sce: Microphys $20

GENERAL GAS LAW (Skills pract)
9)**Subj/Topic:** States of Matter **Grades:**11-12
Description: Questions on the behavior of a gas when all 3 thermodynamic variables change; dialog/exer. sheets; reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K+t,ptr
Sce: Microphys $20

SPECIFIC GAS LAWS (Skills pract)
10)**Subj/Topic:** States of Matter **Grades:**11-12
Description: Questions on Boyle's, Gay-Lussac's & Charles' Laws; dialog or exer. sheets; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K+t,ptr
Sce: Microphys $20

THERMODYNAMICS I (Skills pract)
11)**Subj/Topic:** States of Matter **Grades:**11-12
Description: Questions on the behavior of a confined gas undergoing an isobaric process; dialog/exer. sheets; reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K+t,ptr
Sce: Microphys $20

GAS LAW ANALYSIS (Computl tool)
12)**Subj/Topic:** States of Matter **Grades:**11-12
Description: Solves variety of problems in which gases undergo isothermal, isobaric, isovolumic & general processes.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K +tape
Sce: Microphys $20

STATE (Simulation)
13)**Subj/Topic:** States of Matter **Grades:**11-12
Description: Student identifies substance by observing changes of state when it is heated & cooled; laboratory simulation.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Prog's for Learn'g $150 [pk105,11p]**
Rev's: JCMST W81(+)

%CHEM LAB SIMULATIONS #2 (Simulation)
14)**Subj/Topic:** States of Matter **Grades:**11-12
Description: Graphical lab experiments: variables affecting ideal gas behavior, & the entropy of ideal gases.
Syst(s): Apple
Lang/Min Hdwre: Machine; 48K + disk
Sce: High Tech Soft Prd $100
Rev's: CC V6#9(+); CC 1/81

GAS LAW PROBLEMS (Tutorial)
15)**Subj/Topic:** States of Matter **Grades:**11-12
Description: Introduces principles needed to solve combined gas law problems & gives practice.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: James P. Birk $6

BOYLE'S LAW (Simulation)
16)**Subj/Topic:** States of Matter **Grades:**11-12
Description: Experim't where blocks placed on piston, compress'g gas; user measures volume, draws conclns'ns;hi-res grfx.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; PET8K/App16K+tape
Sce: Merlan Scientific $22

CHARLES' LAW (Simulation)
17)**Subj/Topic:** States of Matter **Grades:**11-12
Description: Experim't where mercury bead traps gas in capil tube; stud't measures vol's of gas as T varied & does problems.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; PET8K/App16K+tape
Sce: Merlan Scientific $22

Stoichiometry

†CHEMISTRY - STOICHIOMETRY (Skills pract)
18)**Subj/Topic:** Stoichiometry **Grades:**9-13
Description: Strengthens skills in understanding formulas, balancing equations & mole computations; backup $25.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K, 3.3 DOS
Sce: Encyclopedia Britt $74

STOICHIOMETRY: GENERAL (Skills pract)
19)**Subj/Topic:** Stoichiometry **Grades:**11-12
Description: Solving mixed mass/mass, mass/vol, vol/vol problems in variety of reactions;dialog/exer sheets;reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K+t,ptr
Sce: Microphys $20

STOICHIOMETRY: MASS/MASS (Skills pract)
20)**Subj/Topic:** Stoichiometry **Grades:**11-12
Description: Mass/mass relationships in various chemical reactions; pract dialog or exer. sheets; reports student perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K +tape
Sce: Microphys $20

STOICHIOMETRY: MASS/VOLUME (Skills pract)
21)**Subj/Topic:** Stoichiometry **Grades:**11-12
Description: Solving problems on mass/-volume relationships in various chem. reactions; dialog/exer. sheets;reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K+t,ptr
Sce: Microphys $20

STOICHIOMETRY:VOL/VOL (Skills pract)
22)**Subj/Topic:** Stoichiometry **Grades:**11-12
Description: Solving problems on volume/-volume relationships in various chem. reactions;dialog/exer. sheets;reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K+t,ptr
Sce: Microphys $20

STOICHIOMETRIC ANALYSIS (Computl tool)
23)**Subj/Topic:** Stoichiometry **Grades:**11-12
Description: Solves problems involving mass/mass, mass/volume & volume/volume relationships in chemical reactions.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Ap16K +tape
Sce: Microphys $20

DENSITY (Skills pract)
24)**Subj/Topic:** Stoichiometry **Grades:**11-12
Description: Practice with problems involving density, mass & volume; reports student performance.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/Ap,TRS16K+t
Sce: Prog's for Learn'g $150 [pk104,12p]**
Rev's: PM Sp80(+); JCMST W81(+)

SCIENCE: Earth Science

†WORLD DESERT REGIONS (Tutorial)
25)**Subj/Topic:** Earth Science **Grades:**2-4
Description: Provides basic information on this climatic region & on its flora & fauna; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap16K+d;PET8K+t
Sce: Right On Programs $13

†WORLD MOUNTAIN REGIONS (Tutorial)
26)**Subj/Topic:** Earth Science **Grades:**2-4
Description: Provides basic information on this climatic region & on its flora & fauna; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap16K+d;PET8K+t
Sce: Right On Programs $13

†EARTH & ITS COMPOSITION (Tutorial)
27)**Subj/Topic:** Earth Science **Grades:**2-4
Description: Intro to components that make up earth; water, mountains, air, volcanoes explained; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap16K+d;PET8K+t
Sce: Right On Programs $13

†ROCKS (Tutorial)
28)**Subj/Topic:** Earth Science **Grades:**3-6
Description: Teaches properties, identification & uses of minerals; 18 rock samples required @ $35.00.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K+ tape or disk
Sce: Spectrum Software $18

SOLAR DISTANCE (Simulation)
29)**Subj/Topic:** Earth Science **Grades:**3-6
Description: Student rides familiar vehicle to planets, learns planet names, distances between them and earth (MECC prog).
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Compuware $24.95 [pk36,6p]**

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

SCIENCE: Earth Science (CONT)

THE WEATHER SCIENCE KIT (Tutorial)
1)**Subj/Topic:** Earth Science **Grades:**3-8
Description: 2 progs examine major factors affect'g climate,the basic vocabulary of weather observation and instruments.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Orange Cherry Med $28

†STREAMS AND RIVERS (Tutorial)
3)**Subj/Topic:** Earth Science **Grades:**7-10
Description: Intro to rivers & streams; take a fascinating voyage; learn basic facts & vocabulary; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†THE OCEANS (Tutorial)
4)**Subj/Topic:** Earth Science **Grades:**7-10
Description: Introduction to our oceans; take a fascinating voyage on them; learn basic facts & vocabulary; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†EARTHQUAKES (Skills pract)
5)**Subj/Topic:** Earth Science **Grades:**7-10
Description: Hands-on experience in plotting earthquakes & longitude-latitude lines; hi-res graphics, sound & color.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.3or 3.2
Sce: Aquarius Publish's $34.95

LATITUDE AND LONGITUDE (Skills pract)
6)**Subj/Topic:** Earth Science **Grades:**7-12
Description: Instr'n & pract in finding the latitude & longitude of points on map; extensive graphics; Mod 3 dsk vers $78.50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: TYC Software $68.50 [pk82,12p]**

BASIC CHEMISTRY (Skills pract)
7)**Subj/Topic:** Earth Science **Grades:**7-12
Description: Us'g Periodic Table & worksheet,stud't reviews 8 elem'ts;emph on basic terms, definitions; Mod 3 disk $78.50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: TYC Software $68.50 [pk82,12p]**

GRADIENT (Tutorial)
8)**Subj/Topic:** Earth Science **Grades:**7-12
Description: Instr'n & pract in finding temp gradient, given simulated temp field & graphics scale; Mod 3 disk vers $78.50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: TYC Software $68.50 [pk82,12p]**

HEAT ENERGY LOST OR GAINED (Tutorial)
9)**Subj/Topic:** Earth Science **Grades:**7-12
Description: Instr'n & pract in finding heat energy lost/gained by simulated beaker or water; ext grafx; Mod3 disk $78.50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: TYC Software $68.50 [pk82,12p]**

STREAM EROSION (Tutorial)
10)**Subj/Topic:** Earth Science **Grades:**7-12
Description: Given definitions & map of stream valley w/ regions,features marked, stud't matches marks,terms;Mod3 dsk$78.50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: TYC Software $68.50 [pk82,12p]**

WATER BUDGET (Tutorial)
11)**Subj/Topic:** Earth Science **Grades:**7-12
Description: Instr'n & pract on mak'g yrly water budgets, given precip'n & evapotranspir'n values,graphs;Mod 3 dsk $78.50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: TYC Software $68.50 [pk82,12p]**

SEISMIC WAVES (Tutorial)
12)**Subj/Topic:** Earth Science **Grades:**7-12
Description: Instr'n & pract in finding earthquake time & epicenter dist/location, given simul quake data; Mod 3 disk $78.50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: TYC Software $68.50 [pk82,12p]**

EARTH HISTORY (Tutorial)
13)**Subj/Topic:** Earth Science **Grades:**7-12
Description: Stud't learns to relate geologic periods & assoc events, also to find age of rock; Mod 3 disk version $78.50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: TYC Software $68.50 [pk82,12p]**

SEASONS (Tutorial)
14)**Subj/Topic:** Earth Science **Grades:**7-12
Description: Instr'n & quest's on relationship between earth's posit'n in orbit & seasons; ext graphics; Mod3 disk $78.50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: TYC Software $68.50 [pk82,12p]**

METEOROLOGY (Tutorial)
15)**Subj/Topic:** Earth Science **Grades:**7-12
Description: Instr'n & pract on weather instrum's,station models & frontal passage weather changes; Mod 3 disk vers $78.50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: TYC Software $68.50 [pk82,12p]**

LAB AID (Computl tool)
16)**Subj/Topic:** Earth Science **Grades:**7-12
Description: Solves 21 formulas commonly used in lab experiments & graphs laboratory results; Mod III disk version $78.50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: TYC Software $59.95 [pk82,12p]**

WEATHER FRONTS (Tutorial)
17)**Subj/Topic:** Earth Science **Grades:**7-12
Description: Intro, questions,tutorial on weather front characteristics, movements & associated weather; x-sect color diagrams.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.3
Sce: TYC Software $24.95
Rev's: SMW Su82(+)

LOST ON THE MOON (Skills pract)
18)**Subj/Topic:** Earth Science **Grades:**7-10
Description: The student must select items most useful for survival on the moon.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

%CLIMATE (Skills pract)
19)**Subj/Topic:** Earth Science **Grades:**8-10
Description: Practice identifying climates & climatic patterns from their attributes; a Huntington I program.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $15.95 [pk8,5p]**

TIME DURAT'N,EPOCHS/PER'DS (Skills pract)
20)**Subj/Topic:** Earth Science **Grades:**8-12
Description: Multiple choice questions on time durations of epochs & periods; help given on incorrect answers.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Micro Learningware $7.95

TYPES OF ANIMALS PRESENT (Skills pract)
21)**Subj/Topic:** Earth Science **Grades:**8-12
Description: Multiple choice questions on the types of animal life present in various geological time periods.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Micro Learningware $7.95

WATER (Simulation)
22)**Subj/Topic:** Earth Science **Grades:**9-12
Description: Protect community threatened by drought. Enact legislation, build treatment plants, adjust water flow, etc.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: N.C.C.C.D. $5
Rev's: SMW Su81(0)

SHORE FEATURES (Tutorial)
23)**Subj/Topic:** Earth Science **Grades:**9-12
Description: Intro, questions,tutorial on 12 different geographical features of shores&beaches;color grafx locat'g feat's.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.3
Sce: TYC Software $24.95

VOLCANOES (Educ'l game)
24)**Subj/Topic:** Earth Science **Grades:**9-12
Description: 2-4 player-scientists try to predict volcano volatility & learn cooperation,recd-keep'g,budg'g; price + $3 S&H.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Earthware Comp Ser $49.50
Rev's: SMW Su82(+); CR 10/82(+); SMW W83(+)

SUNSIM-4 (Simulation)
25)**Subj/Topic:** Earth Science **Grades:**9-12
Description: Calculates solar energy hrly & demonstrates use for space heating,cooling & hot water heating for any location.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 16K+tape;32K+disk
Sce: Solartek $59
Rev's: PM W80(+)

GEOLOGY SEARCH (Simulation)
26)**Subj/Topic:** Earth Science **Grades:**7-12
Description: Student teams explore for oil & learn about rocks, fossils & underground structures.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K+d/TRS32K+d
Sce: McGraw-Hill (EDL) $180

SCIENCE: Ecol/Envir Sci

POLUT (Simulation)
27)**Subj/Topic:** Ecol/Envir Sci **Grades:**6-12
Description: Student explores effects of various factors on water quality, allows investigation of problems without damage.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: N.C.C.C.D. $5
Rev's: SMW Su81(+)

%POLUT- WATER POLLUTION (Simulation)
28)**Subj/Topic:** Ecol/Envir Sci **Grades:**6-12
Description: Student explores the effects on water quality of temperature, type & volume of pollutant, & treatment.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk4,5p]**

POLLUTE (Simulation)
29)**Subj/Topic:** Ecol/Envir Sci **Grades:**6-12
Description: The student explores the effects of temperature, amount & type of pollutant & treatment on water quality.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; Ap48K+d;others16K
Sce: Compuware $24.95 [pk44,4p]**
Rev's: CC V6#10; TCT 12/82(0); SMW Su82(+)

RATS (Simulation)
30)**Subj/Topic:** Ecol/Envir Sci **Grades:**7-12
Description: Student investigates control of rats in city or apartment by sanitation, and slow & quick poisons.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap48K+dsk; TRS16K
Sce: Compuware $24.95 [pk44,4p]**
Rev's: TCT 12/81(0); CC V6#10; SMW Su82(+)

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SCIENCE: Ecol/Envir Sci (CONT)

STERL (Simulation)
1)**Subj/Topic:** Ecol/Envir Sci **Grades:**7-12
Description: Student explores effectiveness of pest control by pesticide, by release of sterile males & by combination.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; Ap48K+dsk;othr16K
Sce: Compuware $24.95 [pk69,4p]**
Rev's: CC 5/81; MJ V3#2(+); PM F79; CC V5#7

TAG (Simulation)
2)**Subj/Topic:** Ecol/Envir Sci **Grades:**7-12
Description: Student investigates tagging & recovery as a method of estimating animal population.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; Ap48K+dsk;othr16K
Sce: Compuware $24.95 [pk69,4p]**
Rev's: CC 5/81; PM F79; MJ V3#2(+)

ENERGY SEARCH (Simulation)
3)**Subj/Topic:** Ecol/Envir Sci **Grades:**7-12
Description: Students manage an energy factory & recreate the exciting steps taken in search of new energy sources.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K+d/TRS32K+d
Sce: McGraw-Hill (EDL) $180

ENERGY CZAR (Simulation)
4)**Subj/Topic:** Ecol/Envir Sci **Grades:**8-12
Description: Student explores strategies for solving U.S. energy crisis; feedback given on growth,inflation,public satisf'n.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Inc. $ n/av
Rev's: PM Su81(+); SMW W83(-)

%BUFLO- WILDLIFE CONSERV'N (Simulation)
5)**Subj/Topic:** Ecol/Envir Sci **Grades:**8-12
Description: Student explores the effects of alternate harvesting policies on buffalo population; a Huntington II prog.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk0,6p]**

%MALAR - MALARIA EPIDEMIC (Simulation)
6)**Subj/Topic:** Ecol/Envir Sci **Grades:**8-12
Description: Student explores the biological, political, economic, and ecological aspects of malaria epidemic control.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk1,6p]**

BUFFALO (Simulation)
7)**Subj/Topic:** Ecol/Envir Sci **Grades:**8-12
Description: The student explores the effects of herd management on a buffalo population.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; Ap48K+d; other16K
Sce: Compuware $24.95 [pk59,4p]**
Rev's: CC 5/81; PM F79; MJ V3#2(+)

MALARIA (Simulation)
8)**Subj/Topic:** Ecol/Envir Sci **Grades:**8-12
Description: The student explores the economic, social & ecological implications of various types of malaria epidemic ctrl.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap48K+dsk; TRS16K
Sce: Compuware $24.95 [pk44,4p]**
Rev's: CC 10/80; TCT 12/81(0); SMW Su82(+)

ENERGY (Simulation)
9)**Subj/Topic:** Ecol/Envir Sci **Grades:**9-12
Description: The student tests his or her strategies for solving the U.S. energy crisis.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+dsk, ROM A/S
Sce: Minn Ed Comp Consrt $36.80 [pk100,10p]**

POPULATION SIZES (Simulation)
10)**Subj/Topic:** Ecol/Envir Sci **Grades:**9-12
Description: Simulates a dynamic population; graphs arithmetic or geometrical change; 6 carrying capacity options.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: COMPress $50 [pk66,2p]**
Rev's: JRM V1(0)

INTERACTIONS (Simulation)
11)**Subj/Topic:** Ecol/Envir Sci **Grades:**9-12
Description: Models interactions among up to 5 competitor/prey/predator populations.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: COMPress $50

PROFILE (Simulation)
12)**Subj/Topic:** Ecol/Envir Sci **Grades:**9-12
Description: Models age & sex distribution for stable & unstable populations; student may use sample or own population.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: COMPress $50

MAGIC FLAG (Concept demo)
13)**Subj/Topic:** Ecol/Envir Sci **Grades:**10-12
Description: Illustrates entropy by means of a flag whose spots change as a result of interacting with their surroundings.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: COMPress $25

POPULATE (Simulation)
14)**Subj/Topic:** Ecol/Envir Sci **Grades:**10-12
Description: Enables user to investigate the characteristics of a dynamic population using U.S. or other statistics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: COMPress $65 [pk23,4p]**

ECOLOGICAL MODELING (Simulation)
15)**Subj/Topic:** Ecol/Envir Sci **Grades:**10-12
Description: Explores factors affecting population growth in range of situations from simple to complex.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; P8K+t;Ap/TRS32K+d
Sce: Conduit $65
Rev's: CC 1/81

%LIMITS (Simulation)
16)**Subj/Topic:** Ecol/Envir Sci **Grades:**10-12
Description: Student explores the effects of growth on world population,food supply indust'l output, natural res'ces,pollut'n.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk4,5p]**

LIMITS (Simulation)
17)**Subj/Topic:** Ecol/Envir Sci **Grades:**10-12
Description: Student explores effects of growth on world population, pollution,food supply,indust'l output & natural resrcs.
Syst(s): Atari PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Compuware $24.95 [pk45,3p]**

ABSORB (Simulation)
18)**Subj/Topic:** Ecol/Envir Sci **Grades:**11-12
Description: Finds earth surface temperature for various CO2 concentrations using 1-layer atmosphere & simple absorption.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: COMPress $65 [pk23,4p]**

POPGROW (Simulation)
19)**Subj/Topic:** Ecol/Envir Sci **Grades:**11-12
Description: Student explores exponential & density-dependent growth, also carrying capac. variations & regulatory responses.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: COMPress $60
Rev's: JRM V1(0)

PROFILE (Evans) (Computl tool)
20)**Subj/Topic:** Ecol/Envir Sci **Grades:**11-12
Description: Calculates stable age distributions for stationary & growing populations using U.S. mortality statistics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: COMPress $65 [pk23,4p]**

DEMO-GRAPHICS (Data retr'val)
21)**Subj/Topic:** Ecol/Envir Sci **Grades:**11-12
Description: Can be used to explore/demonstrate population trends in 40 countries and some of the factors affecting them.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 48K + DOS 3.2.1
Sce: Conduit $85

U.S. ENERGY; ENVIR/ECON (Simulation)
22)**Subj/Topic:** Ecol/Envir Sci **Grades:**11-12
Description: Students explore interaction of U.S. economy, energy supply/demand, and phys environs as impacts on public policy.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K Mod I/III+dsk
Sce: Conduit $50

SCIENCE: General Science

SIMPLE MACHINES (Tutorial)
23)**Subj/Topic:** General Science **Grades:**5-9
Description: Intros 6 simple machines (lever, pulley, etc.); gives sample applic., exer's, review, & master quiz.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Micro Power & Light $29.95

ATOMS (Tutorial)
24)**Subj/Topic:** General Science **Grades:**6-7
Description: Explains atoms by breaking down molecular structure of salt. Defines molecules, protons, neutrons & electrons.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comm*Data Comp Hse $9.95

PIONEERS IN TECHNOLOGY (Tutorial)
25)**Subj/Topic:** General Science **Grades:**6-12
Description: Covers Age of Flight, space exploration, electric car, & computers; four A-V programs, quiz and scoring.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Radio Shack $94.95

†WORD DRAW:WRLD ARD US, SCI (Educ'l game)
26)**Subj/Topic:** General Science **Grades:**7-12
Description: 4 stud'ts work to solve word problems involving biological, physical & general science; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t,24K+d;padls
Sce: Edupro $19.95

†WORD DRAW:WRLD AR US,SPACE (Educ'l game)
27)**Subj/Topic:** General Science **Grades:**7-12
Description: 4 stud'ts word to solve word problems focusing on space concepts; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t,24K+d;padls
Sce: Edupro $19.95

†WORD RACE:WRLD ARD US, SCI (Educ'l game)
28)**Subj/Topic:** General Science **Grades:**7-12
Description: 8 students simultaneously work on science concepts.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;padls
Sce: Edupro $19.95

GENERAL SCIENCE (Skills pract)
29)**Subj/Topic:** General Science **Grades:**7-12
Description: Subject is inventions & discoveries. Test facts & general information are included in study material.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Demi-Software $9.95

RENDEZVOUS (Simulation)
30)**Subj/Topic:** General Science **Grades:**9-14
Description: Space shuttle flight simulation from Earth liftoff thru orbital rendezvous & approaching docking.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Edu-Ware Services $39.95
Rev's: CUE 8/82(0); CRC V1#1(+); EL V2#3(+)

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

SCIENCE: Geology

VOLCANOES (Educ'l game)
1)**Subj/Topic:** Geology **Grades:**7-14
Description: 2-4 players or teams assume roles of scientists; teaches responsib'y, decision-making & more; easily used.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Earthware Comp Ser $49.50
Rev's: SMW Su82(+); CR 10/82(+); SMW W83(+)

SCIENCE: Natural History

†LIVING THINGS (Tutorial)
2)**Subj/Topic:** Natural History **Grades:**1-3
Description: Surveys living things on earth; plants, people, animals; how live and relate; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†DINOSAURS (Tutorial)
3)**Subj/Topic:** Natural History **Grades:**2-4
Description: Teaches structure, size, diet of dinosaurs; explains extinction, fossils & present reptiles; graphics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+ disk
Sce: Spectrum Software $37

†LIFE IN THE OCEANS (Tutorial)
4)**Subj/Topic:** Natural History **Grades:**3-4
Description: Importance of oceans to our survival taught; mammals, fish, birds and weather covered; game follows; on dsk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†ANIMAL TRACKS (Tutorial)
5)**Subj/Topic:** Natural History **Grades:**3-6
Description: Guides observations of animal & human tracks; graphics of track patterns, 10 track cards & guide.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+ disk
Sce: Spectrum Software $43

†BIRDS (Tutorial)
6)**Subj/Topic:** Natural History **Grades:**4-5
Description: Teaches importance of birds; birth & life covered; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†MAMMALS (Tutorial)
7)**Subj/Topic:** Natural History **Grades:**4-5
Description: Teaches about animals in general; mammals specifically; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

SCIENCE: Physical Science

†MATTER AND ENERGY (Tutorial)
8)**Subj/Topic:** Physical Scienc **Grades:**1-3
Description: Beginning look at concepts of matter & energy; stimulating game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†ELECTRICITY (Tutorial)
9)**Subj/Topic:** Physical Scienc **Grades:**3-4
Description: Teaches role & importance of electricity in our lives from Ben Franklin to today; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†MATTER (Tutorial)
10)**Subj/Topic:** Physical Scienc **Grades:**5-6
Description: Discusses forms & properties of matter; molecules & their part in life, heating & cooling covered; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†ENERGY AT WORK (Tutorial)
11)**Subj/Topic:** Physical Scienc **Grades:**5-6
Description: Covers 5 forms of energy, origin & use; atomic, electrical,chemical, solar, mechanical; w/game; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†CHEMISTRY I (Tutorial)
12)**Subj/Topic:** Physical Scienc **Grades:**7-12
Description: Intro includes atomic theory chem reactions, gas laws, atom structure; discussions,simulations,experiences,guide.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Adrian Vance $40

†ENERGY (Tutorial)
13)**Subj/Topic:** Physical Scienc **Grades:**8-11
Description: Reviews force, work, simple machines, types of energy, etc; keeps records; graphics; 14 program set $250.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: J & S Software $29
Rev's: MR 82

†SOUND (Tutorial)
14)**Subj/Topic:** Physical Scienc **Grades:**8-11
Description: Reviews waves, refraction, diffraction, etc; graphics; keeps records 14 program set $250.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: J & S Software $29
Rev's: MR 82

†LIGHT (Tutorial)
15)**Subj/Topic:** Physical Scienc **Grades:**8-11
Description: Reviews spectrum, waves, lenses, color refraction, etc; graphics; keeps records, 14 program set $250.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: J & S Software $29
Rev's: MR 82

†ELECTRICITY (Tutorial)
16)**Subj/Topic:** Physical Scienc **Grades:**8-11
Description: Students learn electric force, current, insulators, power etc.; graphics; keeps records; 14 prog set $250.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: J & S Software $29
Rev's: MR 82

†MAGNETISM (Tutorial)
17)**Subj/Topic:** Physical Scienc **Grades:**8-11
Description: Reviews poles, fields, electromagnetic induction, etc; graphics; keeps records; 14 program set $250.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: J & S Software $29
Rev's: MR 82

†MATTER (Tutorial)
18)**Subj/Topic:** Physical Scienc **Grades:**8-11
Description: Reviews physical & chemical changes, mixtures, symbols, etc; keeps records; 14 program set $250.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: J & S Software $29
Rev's: MR 82

†ATOMS (Tutorial)
19)**Subj/Topic:** Physical Scienc **Grades:**8-11
Description: Reviews nuclear particles, electrons & atomic mass; keeps records; 14 program set $250.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: J & S Software $29
Rev's: MR 82

†FAMILIES OF ATOMS (Tutorial)
20)**Subj/Topic:** Physical Scienc **Grades:**8-11
Description: Reviews periodic table, valence, ionization energy, etc; keeps records; 14 program set $250.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: J & S Software $29
Rev's: MR 82

†BONDING (Tutorial)
21)**Subj/Topic:** Physical Scienc **Grades:**8-11
Description: Reviews ionic & covalent bonding, formulas, valence concepts etc; keeps records, 14 program set $250.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: J & S Software $29
Rev's: MR 82

†REACTIONS (Tutorial)
22)**Subj/Topic:** Physical Scienc **Grades:**8-11
Description: Reviews types of reactions, balancing, rates of reactions etc; keeps records; 14 program set $250.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: J & S Software $29
Rev's: MR 82

†ACIDS & BASES (Tutorial)
23)**Subj/Topic:** Physical Scienc **Grades:**8-11
Description: Reviews properties, pH, neutralization & salts; keeps records; 14 program set $250.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: J & S Software $29
Rev's: MR 82

†RADIOACTIVITY (Tutorial)
24)**Subj/Topic:** Physical Scienc **Grades:**8-11
Description: Reviews types of radiation, half life, fission, fusion, reactors, etc; keeps records, 14 program set $250.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: J & S Software $29
Rev's: MR 82

†MOTION (Tutorial)
25)**Subj/Topic:** Physical Scienc **Grades:**8-11
Description: Students review & learn speed, acceleration, Newton's laws, etc; keeps records; 14 program set $250.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: J & S Software $29
Rev's: MR 82

†%CREATE-A-TEST - PHYS SCINC (Test genrat)
26)**Subj/Topic:** Physical Scienc **Grades:**8-10
Description: Two dsks convering concepts from introductory chem & physics at 9th gr level; ea file $49.95.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Cross Educatl Soft $49.95

†CARBON CHEMISTRY (Tutorial)
27)**Subj/Topic:** Physical Scienc **Grades:**8-11
Description: Reviews organic chemistry, isomers, bonding, etc; keeps records; 14 program set $250.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: J & S Software $29
Rev's: MR 82

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product.

PHYSICS PROGRAMS FOR APPLE COMPUTERS

Programs currently available for $24.95 each:

Graphical Analysis
Ray Tracer
Wave Addition
Vector Addition
Orbit
Projectiles
Charged Particles
Kinematics

Use your Apple as a lab timer with
Precision Timer ($39.95)

Full documentation with each program

Write for catalog:

Vernier
SOFTWARE
2920 S.W. 89th
Portland, OR 97225

SCIENCE: Physics

%VECTORS (Computl tool)
1)**Subj/Topic:** Physics **Grades:**6-12
Description: Adds over 10 vectors using degrees or radians; X, Y and total magnitudes, and resultant angle are displayed.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 5K + tape
Sce: Athena Software $6.95

PHYS SCI BASEBALL-CHEM VER (Educ'l game)
2)**Subj/Topic:** Physics **Grades:**8-12
Description: Graphics-oriented baseball game; questions on main concepts in chemistry; explains wrong answers.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: J & S Software $55
Rev's: MR 82

PHYS SCI BASEBALL-PHYS-VER (Educ'l game)
3)**Subj/Topic:** Physics **Grades:**8-11
Description: Graphics-oriented baseball game; includes questions covering main physics concepts; wrong answers explained.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: J & S Software $55
Rev's: MR 82

†PHYSICS - LAB PLOTS (Tutorial)
4)**Subj/Topic:** Physics **Grades:**9-14
Description: Students learn how to analyze data from experiments using graphs.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Educat'l Coursewe $36

%VECTORS (Tutorial)
5)**Subj/Topic:** Physics **Grades:**9-12
Description: Six programs about adding & resolving vectors and one about graphing.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Cross Educatl Soft $10

%VECTORS AND GRAPHING (Tutorial)
6)**Subj/Topic:** Physics **Grades:**9-12
Description: 6 programs about adding and resolving rectors and one about graphing.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Cross Educatl Soft $10

FLIGHT VECTOR (Educ'l game)
7)**Subj/Topic:** Physics **Grades:**9-12
Description: Explains vectors & how they combine; includes game which gives practice with concepts.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,joystick
Sce: Edu-Soft $19.95
Rev's: EL 9-10/81(0)

†THE PHYSICS PROGRAMS (Tutorial)
8)**Subj/Topic:** Physics **Grades:**10-13
Description: 12 programs; reviews waves, sound, momentum, light etc; graphics; keeps records; single programs $28.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: J & S Software $195

†%PHYSICS GEMS (Multi types)
9)**Subj/Topic:** Physics **Grades:**10-14
Description: 31 progs which fill in many details in physics instr'n;incl demos,tutorials,pract; w/ color pictures,animat'n.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3
Sce: Cross Educatl Soft $42

%PRECISION TIMER (Computl tool)
10)**Subj/Topic:** Physics **Grades:**10-12
Description: Turns the Apple computer into a timer to measure intervals to .1 millisecond; for use with photogates.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Vernier Software $39.95

%VECTOR ADDITION (Concept demo)
11)**Subj/Topic:** Physics **Grades:**10-12
Description: Draws, in hi-res graphics, head-to-tail vector addition diagrams; up to 9 vectors may be added.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+dsk,Applesoft
Sce: Vernier Software $24.95

VECTOR ANALYSIS I (Skills pract)
12)**Subj/Topic:** Physics **Grades:**11-12
Description: Questions on determining the size/direct'n of resultant of 3-5 concurrent vectors;dialog/quizzes;reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

PHYSICS (Tutorial)
13)**Subj/Topic:** Physics **Grades:**11-12
Description: A complete survey course from force & motion to nuclear physics; req's Educ'l Syst Master Cartr'dg @ $30.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Atari Inc. $29.95
Rev's: PM Su81(-)

INTERPRET'G GRAPHS-PHYSICS (Skills pract)
14)**Subj/Topic:** Physics **Grades:**11-12
Description: (26-1721) Pract interpreting position vs time & veloc vs time graphs; gives help; reports student performance.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K Modl/III+tape
Sce: Radio Shack $39.95

VECTOR ADDITION (Concept demo)
15)**Subj/Topic:** Physics **Grades:**11-12
Description: (26-1720) Aids stud't in understand'g vector add'n in plane by graphic representation of stud't-supplied data.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Radio Shack $39.95
Rev's: 80M 2/81(+)

%OPTICS,WAVE MOTION,ELECTCY (Concept demo)
16)**Subj/Topic:** Physics **Grades:**11-12
Description: Demonstrates lens formula, superposition of waves, & electric fields. Uses game paddles to move test charge.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2/3.3
Sce: EduTech $65

VECTOR SUM (Concept demo)
17)**Subj/Topic:** Physics **Grades:**11-12
Description: Adds up to 20 vectors; graphic display of solution by polygon method; also table of x and y components.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Indian Head Softwe $4.95

PHYSICS PROGRAMS FOR APPLE (Skills pract)
18)**Subj/Topic:** Physics **Grades:**11-12
Description: Review & pract on circular motion,Newton's Laws,momentum,etc.;emphasizes experiments & problems; 8 programs.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: J & S Software $125

VECTOR ANALYSIS II (Computl tool)
19)**Subj/Topic:** Physics **Grades:**11-12
Description: Determines the magnitude & direction of system of concurrent vectors.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; Pet8K/Apl6K +tape
Sce: Microphys $20

Electricity

LIGHT (Tutorial)
20)**Subj/Topic:** Electricity **Grades:**5-6
Description: Tells what light is, how it travels & how fast, compares light to sound; lasers included; game follows.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K + tape/disk
Sce: Right On Programs $15

†%CHARGED PARTICLES (Simulation)
21)**Subj/Topic:** Electricity **Grades:**10-16
Description: Simulates motion of an electrically charged particle in a magnetic field; may be used as a lab.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Vernier Software $24.95

STATIC CHARGES (Skills pract)
22)**Subj/Topic:** Electricity **Grades:**10-12
Description: Find force acting on charged object; random variables given; hints,remediation,calculator funct'n;dsk vers $15.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K+tape or disk
Sce: Classic Soft Prods $9.95

FIELD INTENSITY (Skills pract)
23)**Subj/Topic:** Electricity **Grades:**10-12
Description: Find field intensity from force data; random variables given; hints, remediation,calculator functn;dsk vers$15.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K+tape or disk
Sce: Classic Soft Prods $9.95

%ELECTRICITY & MAGNETISM (Tutorial)
24)**Subj/Topic:** Electricity **Grades:**11-12
Description: 7 calculus level programs covering traditional physics topics related to field theory and circuits.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Cross Educatl Soft $12

SERIES CIRCUIT ANALYSIS (Skills pract)
25)**Subj/Topic:** Electricity **Grades:**11-12
Description: Questions on resistance, voltage & power in 3-resistance series circuit; dialog/exer. sheets;reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K Apl6K+t,ptr
Sce: Microphys $20

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product.

Physics: Electricity (CONT)

PHOTOELECTRIC EFFECT (Skills pract)
1)**Subj/Topic:** Electricity **Grades:**11-12
Description: Questions on analyzing photoelectric emissions from various metallic cathodes;dialog/exer. sheets;reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

SERIES/PARALLEL CIRCUITS (Skills pract)
2)**Subj/Topic:** Electricity **Grades:**11-12
Description: Questions on analysis of a circuit with 1 resistor in series with 2 resistors in paral'l; dialog or exercises.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

ELECTRIC FIELD ANALYSIS (Skills pract)
3)**Subj/Topic:** Electricity **Grades:**11-12
Description: Questions on the work done in moving a charged particle in a uniform elect field; dialog/quizzes; reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

FARADAY'S LAW (Skills pract)
4)**Subj/Topic:** Electricity **Grades:**11-12
Description: Questions on the analysis of an electrolytic solution; dialog or exer. sheets; reports student perform'nc.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

PARAL'L CIRCUIT ANALYSIS I (Skills pract)
5)**Subj/Topic:** Electricity **Grades:**11-12
Description: Questions on analysis of a 3-resistance parallel circuit; dialog or exer. sheets; reports student perform'nc.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

BASIC ELECTRICITY (Tutorial)
6)**Subj/Topic:** Electricity **Grades:**11-12
Description: Complete survey course from Ohm's Law to analyzing reactive circuits; requires System Master Cartr'dg ` $30.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Atari Inc. $29.95

MILLIKAN (Simulation)
7)**Subj/Topic:** Electricity **Grades:**11-12
Description: Simulated laboratory; student performs the Millikan Oil Drop experiment; can watch & control drops on scrn.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Mentor Software $19.95

%CHARGE- MILLIKAN OIL DROP (Simulation)
8)**Subj/Topic:** Electricity **Grades:**11-12
Description: Simulates the Millikan Oil Drop experiment to determine electron charge; a Huntington II program.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $14.95 [pk8,5p]**

%OIL DROP (Simulation)
9)**Subj/Topic:** Electricity **Grades:**11-12
Description: Milliken expt. Game paddles vary voltage betw. plates. Students stop drops & calculate charges. Data pooling.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K, DOS 3.2/3.3
Sce: EduTech $95

%ELECTRIC FIELD (Simulation)
10)**Subj/Topic:** Electricity **Grades:**11-12
Description: Student explores electric field on screen; computer assists in plotting lines of force and equipotentials.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: EduTech $85

CAPACITOR (Skills pract)
11)**Subj/Topic:** Electricity **Grades:**11-12
Description: Pract finding capacitance, given charge,voltage; gives hints & remedial help; has calc funct; dsk vers $14.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; Cassette tape
Sce: Classic Soft Prods $9.95

INDUCTION (Skills pract)
12)**Subj/Topic:** Electricity **Grades:**11-12
Description: Pract finding voltage induced by change in flux; gives hints & remedial help; has calc funct; dsk vers $14.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; Cassette tape
Sce: Classic Soft Prods $9.95

OHM'S LAW (Skills pract)
13)**Subj/Topic:** Electricity **Grades:**11-12
Description: Pract finding voltage in a series-parallel circuit; gives hints,remedial help;has calc funct; on dsk $14.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; Cassette tape
Sce: Classic Soft Prods $9.95

MILLIKAN'S EXPERIMENT I (Simulation)
14)**Subj/Topic:** Electricity **Grades:**11-12
Description: Student explores quantum nature of electric charge in animation of latex spheres falling betw charged plates.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; PET8K/Appl6K+tape
Sce: Merlan Scientific $20

MILLIKAN'S EXPERIMENT II (Simulation)
15)**Subj/Topic:** Electricity **Grades:**11-12
Description: Simulates original Oil Drop Experiment; student collects data, then prog assists in determining particle chrg.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Merlan Scientific $26
Rev's: EL 9/81(0)

ELECTRONICS (Skills pract)
16)**Subj/Topic:** Electricity **Grades:**11-12
Description: Practice solving Ohm's Law problems on graphically displayed series & parallel circuits; random values.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Micro Learningware $7.95

Heat

HEAT & TEMP STUDY UNIT B (Tutorial)
17)**Subj/Topic:** Heat **Grades:**9-12
Description: Heat of fusion & vaporization, methods of mixtures; problems with solutions; disk version $15.50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+disk;32K+tape
Sce: Teaching Assistant $13.50

HEAT & TEMP STUDY UNIT A (Tutorial)
18)**Subj/Topic:** Heat **Grades:**9-12
Description: Introduction to thermodynamics, practice with conversions of temp scales; disk version $15.50.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+tape;32K+disk
Sce: Teaching Assistant $13.50

TEMPERATURE CONVERSION (Skills pract)
19)**Subj/Topic:** Heat **Grades:**10-12
Description: Stud't given temp in Celsius or Fahrenheit,must find temp other scale; hints,remed'n,calcul funct'n;dsk vers $15.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K+tape or disk
Sce: Classic Soft Prods $9.95

THERMAL EXPANSION - LINEAR (Skills pract)
20)**Subj/Topic:** Heat **Grades:**10-12
Description: Find expansion of rod given init length & temp,final temp,coef expans; hints,remed'n,calcul funct'n;dsk vers $15.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K+tape or disk
Sce: Classic Soft Prods $9.95

HEAT SOLVER (Computl tool)
21)**Subj/Topic:** Heat **Grades:**11-12
Description: Solves for missing value in table relating mass, temperature, specific heat, and final temperature.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comaldor $2

APPLE PHYSICS
11 Disks - 75 Programs - $203

These programs contain extensive graphics. Each diskette has 5 to 10 programs requiring 48K memory with Applesoft.

V 1 Vectors & Graphing	$10.00
V 2 Statics	$12.00
V 3 Motion	$12.00
V 4 Conservation Laws	$12.00
V 5 Circular Motion	$15.00
V 6 Thermodynamics	$20.00
V 7 Electricity	$12.00
V 8 Optics	$20.00
V 9 Atomic Physics	$30.00
V10 Solar System Astronomy	$30.00
V11 Stellar Astronomy	$30.00

Ask for Atari, IBM information

AQUARIUM: This is an aquarium simulation in which the fish swim, breed, eat and interact. The full disk includes the Community Aquarium plus 4 games. 48K $25.

DINOSAURS: 6 games and demos. Includes Dinosaur Matching, Dinosaur Hangman and Paddle Graphics. 48K $15.

CROSS EDUCATIONAL SOFTWARE
P. O. Box 1536
Ruston, LA 71270
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LATENT HEAT (Computl tool)
22)**Subj/Topic:** Heat **Grades:**11-12
Description: Solves for missing value in table relating, for steam & ice, mass, temp, latent ht, & final temperature.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comaldor $20

%THERMODYNAMICS (Tutorial)
23)**Subj/Topic:** Heat **Grades:**11-12
Description: 7 prog's: Calorimetry;Thermodyn'c Proc/Cycles;Engines-Theory/Applns; Gas Molecule Motion; Ideal Gas Cycles.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Cross Educatl Soft $20

HEATS OF FUSION &VAPORIZ'N (Skills pract)
24)**Subj/Topic:** Heat **Grades:**11-12
Description: Questions on the heats of fusion & vaporization; dialog or exercise sheets; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

SPECIFIC HEAT CAPACITY (Skills pract)
25)**Subj/Topic:** Heat **Grades:**11-12
Description: Questions on the definition of specific heat capacity; dialog or exer. sheets; reports student perform'nc.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

CALORIMETRY (Skills pract)
26)**Subj/Topic:** Heat **Grades:**11-12
Description: Questions on calorimetry, reviewing specific heat capac & conservation of energy;exer. sheets; reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

% TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

Physics: Heat (CONT)

CALORIMETRY ANALYSIS (Computl tool)
1)**Subj/Topic:** Heat **Grades:**11-12
Description: Saves time by solving calorimetry problems involving substance phase and temperature changes.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K +tape
Sce: Microphys $20

Light

INDEX OF REFRACTION (Educ'l game)
2)**Subj/Topic:** Light **Grades:**8-12
Description: Up to 3 players compete in solving problems on light refraction;gives examples after players try to solve.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Redcomp Services $22.95

†**PHYSICS - WAVES AND OPTICS** (Simulation)
3)**Subj/Topic:** Light **Grades:**9-14
Description: Students stimulated to make discoveries about the relationships between waves and light.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Educat'l Coursewe $36

ILLUMINATION (Skills pract)
4)**Subj/Topic:** Light **Grades:**10-12
Description: Find illumination given random values for intensity,distance & angle; hints,remed'n,calcul funct'n;dsk vers $15.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K+disk or tape
Sce: Classic Soft Prods $9.95

CURVED MIRRORS (Skills pract)
5)**Subj/Topic:** Light **Grades:**10-12
Description: Find position of image given radius & dist. of object;concave & convex; hints,remed'n,calcul funct'n;dsk vers $15.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K+tape or disk
Sce: Classic Soft Prods $9.95

†%**RAY TRACER** (Concept demo)
6)**Subj/Topic:** Light **Grades:**10-16
Description: Graphically illustrates the principles of geometrical optics; reflection, refraction, dispersion, etc.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Vernier Software $24.95

%**SLITS-WAVE THEORY OF LIGHT** (Simulation)
7)**Subj/Topic:** Light **Grades:**11-12
Description: Simulates Young's double-slit experiment, dealing with the wave theory of light propagation.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $14.95 [pk8,5pl**

%**GEOMETRICAL OPTICS** (Concept demo)
8)**Subj/Topic:** Light **Grades:**11-12
Description: Illustrates reflection,refraction,reversibility, & convex lenses. Includes game with laser beam refraction.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2/3.3
Sce: EduTech $65

PHOTOMETRY (Skills pract)
9)**Subj/Topic:** Light **Grades:**11-12
Description: Pract finding intensity of a light source; gives hints & remedial help; has calculator functions; dsk vers $14.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; Cassette tape
Sce: Classic Soft Prods $9.95

SPEED OF LIGHT (Skills pract)
10)**Subj/Topic:** Light **Grades:**11-12
Description: Pract finding rotation speed of mirror similar to that in Michelson exper; gives hints,remed help;on dsk $14.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; Cassette tape
Sce: Classic Soft Prods $9.95

POWER OF A MICROSCOPE (Skills pract)
11)**Subj/Topic:** Light **Grades:**11-12
Description: Pract finding the power of a microscope, given its parameters; hints & remedial help; disk version $14.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; Cassette tape
Sce: Classic Soft Prods $9.95

PHOTON INTERFERENCE (Simulation)
12)**Subj/Topic:** Light **Grades:**11-12
Description: Simulates the random behavior of photons passing through a double slit, producing light & dark bands.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 8KPET/16KAp +tape
Sce: Merlan Scientific $15

%**OPTICS** (Tutorial)
13)**Subj/Topic:** Light **Grades:**11-12
Description: 3 programs about ray diagrams, two on physical optics, and one on lasers.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Cross Educatl Soft $20

REFRACTION OF LIGHT (Skills pract)
14)**Subj/Topic:** Light **Grades:**11-12
Description: Questions on the refraction of light at the interface of 2 optic media; dialog/exer. sheets; reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/AP16K+t,ptr
Sce: Microphys $20

TOTAL INTERNAL REFLECTION (Skills pract)
15)**Subj/Topic:** Light **Grades:**11-12
Description: Questions on reflection of light at appropriate interfaces; dialog or exer. sheets; reports student perform'nc.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

MIRRORS & LENSES (Skills pract)
16)**Subj/Topic:** Light **Grades:**11-12
Description: Questions on the image-forming properties of concave & convex mirrors & lenses; dialog/exer sheets;reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

OPTICS ANALYSIS (Computl tool)
17)**Subj/Topic:** Light **Grades:**11-12
Description: Solves variety of problems involving the image forming properties of thin lenses & convex & concave mirrors.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K +tape
Sce: Microphys $20

Mechanics

MOMENTUM (Tutorial)
18)**Subj/Topic:** Mechanics **Grades:**9-12
Description: Concepts necessary for understanding momentum, impulse & conservation of momentum; problems & answers.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape/disk
Sce: Teaching Assistant $13.50

†**PHYSICS - FREE FALL** (Simulation)
19)**Subj/Topic:** Mechanics **Grades:**9-14
Description: Stimulates discoveries of important theories relating to gravity.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Educat'l Coursewe $36

†**PHYSICS - KINEMATICS** (Skills pract)
20)**Subj/Topic:** Mechanics **Grades:**9-12
Description: Practice w/ problems derived from 4 equations of uniformly accelerated motion in one dimension; grading system.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Concept Educ'l Sft $30

INCLINED PLANE I (Skills pract)
21)**Subj/Topic:** Mechanics **Grades:**10-12
Description: Find force to move object up plane,given mass,angle & coef of friction; hints,remediat'n,calc functn;dsk vers $15.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K+tape or disk
Sce: Classic Soft Prods $9.95

PROJECTILE I (Skills pract)
22)**Subj/Topic:** Mechanics **Grades:**10-12
Description: Find hgt & time of flight of object tossed in air,given init vel;hints, remediation,calcul'r functn; dsk vers $15.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K+tape or disk
Sce: Classic Soft Prods $9.95

%**KINEMATICS** (Skills pract)
23)**Subj/Topic:** Mechanics **Grades:**10-12
Description: Students are given assignments involving speed, acceleration, time, distance; program checks their results.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+dsk,Applesoft
Sce: Vernier Software $24.95

%**PROJECTILES** (Simulation)
24)**Subj/Topic:** Mechanics **Grades:**10-12
Description: Allows student to experiment with projectile motion including the effects of air resistance & wind.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Vernier Software $24.95

%**ORBIT** (Simulation)
25)**Subj/Topic:** Mechanics **Grades:**10-14
Description: Simulates motion of satellite around earth; students experiment with various conditions.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Vernier Software $24.95

DYNAMICS (Tutorial)
26)**Subj/Topic:** Mechanics **Grades:**10-12
Description: Covers Newton's Laws of Motion; carefully designed problems,synopsis of material, fully explained solutions.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Teaching Assistant $13.50
Rev's: PM W81(0)

†**HARMONIC MOTION EXPERIMENT** (Tutorial)
27)**Subj/Topic:** Mechanics **Grades:**10-14
Description: 6 lessons intro pendulum parts,conduct expers with varying lengths& masses;uses exper interface,motion sensor.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K ModIII + disk
Sce: Cambridge Dev Labs $95

INTRODUCTORY MECHANICS (Computl tool)
28)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Stud'ts modify sample progs to solve probs on applic of 2nd Law to harmonic oscil & 2-dimens particle motion.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2.1
Sce: Conduit $45

NEWTON (Simulation)
29)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Student investigates the prediction of satellite orbits using Newton's Laws.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; P8K+t;Ap/TRS32K+d
Sce: Conduit $35
Rev's: SMW W83(+)

CURT (Educ'l game)
30)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Practice using Newton's gravitational law & centripetal force equation in a spaceship game format.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Redcomp Services $22.95

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

Physics: Mechanics (CONT)

%VECTOR (Skills pract)
1)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Student evaluates direction airplane must fly to reach a specified point, given magnitude &direction of wind.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2/3.3
Sce: EduTech $95

%MECHANICS (Concept demo)
2)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Hunter-monkey paradox (using game paddles);vertical fall with & without air resistance; & planetary motion.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K DOS 3.2/3.3
Sce: EduTech $65

%PLANETARY MOTION (Simulation)
3)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Simulates orbits and periods of orbiting star(s); tests are made of Kepler's second and third laws.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: EduTech $85

%PARABOLIC MOTION (Simulation)
4)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Given initial speed and height (or angle), simulates trajectory; student finds g from time & distance meas.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: EduTech $85

%THREE-BODY ORBITS (Simulation)
5)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Plots the true orbits of any three gravitationally interacting bodies; 4 programs.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: EduTech $95

%TARGET (Educ'l game)
6)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Students take turns firing at an enemy, using initial conditions calculated individually; stores/reports perf.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: EduTech $95
Rev's: SMW W83(+)

LINEAR MOMENTUM (Simulation)
7)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Designed to help learner understand collisions of hard spheres; many different collisions available for study.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+dsk,Applesoft
Sce: Educat'l Coursewe $36

AVERAGE VELOCITY (Tutorial)
8)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Instruction & practice with the concept of average velocity; uses animated diagrams; includes scored quiz.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 8KPET/16KAp +tape
Sce: Merlan Scientific $24

AVERAGE SPEED (Tutorial)
9)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Instruction & practice on average speed problems; uses animated diagrams; includes scored quiz.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 8KPET/16KAp +tape
Sce: Merlan Scientific $24

INTRO MECHANICS DRILL PKG (Skills pract)
10)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Timed practice in using four basic mechanics formulas; game-like format; reports performance; 4 programs.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 8KPET/16KAp +tape
Sce: Merlan Scientific $20

WAVES IN LIN. MEDIUM-INTRO (Simulation)
11)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Stud't examines animat'ns of pulses reflected from fixed & free ends, & hitting boundary betw 2 media; Ap ver $36.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; PET8K/Appl6K+tape
Sce: Merlan Scientific $28

GRAVITAT'L POTENT'L ENERGY (Simulation)
12)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Experiment where student observes projectile moving in real time,computes k.e., deduces eq'n for pot. energy.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; PET8K/Appl6K+tape
Sce: Merlan Scientific $22

ACCELERAT'N DUE TO GRAVITY (Simulation)
13)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Experiment where student observes dense obj falling in real-time animation, computes g; prog checks results.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; PET8K/Appl6K+tape
Sce: Merlan Scientific $20

LINEAR AIR TRK-ELAST COLIS (Simulation)
14)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Student confirms Law of Conservation of Momentum by observing colliding objects on frictionless air track.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; PET8K/Appl6K+tape
Sce: Merlan Scientific $24

%CONSERVATION (Tutorial)
15)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Eight programs about energy and momentum including one game.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Cross Educatl Soft $12

TARGET PRACTICE (Educ'l game)
16)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Game to test knowledge of projectile motion equations; given 3 parameters, user calc's 4th; reports perf.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 8KPET/16KAp +tape
Sce: Merlan Scientific $20

%CIRCULAR MOTION (Tutorial)
17)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Covers circular motion, harmonic motion, and orbits; 5 programs and one game.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Cross Educatl Soft $15

OSCILLATOR (Simulation)
18)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Student investigates behavior of simple harmonic oscillator; options consider damping and forcing; uses grafix.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap32K+d; PET8K+t
Sce: Longman Group $ n/av [pk33,5p]**

ALPHAMOON (Simulation)
19)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Student explores effects of inverse square law forces on objects such as satellites,planets,alpha particles,etc.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap32K+d; PET8K+t
Sce: Longman Group $ n/av [pk33,5p]**

FLIGHTPATH (Simulation)
20)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Student explores behavior of projectiles; computes, graphs trajectory, considering air resistance if desired.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap32K+d; PET8K+t
Sce: Longman Group $ n/av [pk33,5p]**

CUP THE BALL (Simulation)
21)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Student calculates speed of ball to roll off table into randomly placed cup; computer displays trajectory.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Micro Learningware $7.95

%STATICS (Tutorial)
22)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Five programs teaching the procedures for solving statics problems; each problem illustrated, vectors drawn.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Cross Educat $12

%MOTION (Tutorial)
23)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Nine programs teaching velocity & acceleration, motion on an inclined plane and rotational motion.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+DOS3.3,Aplsft
Sce: Cross Educatl Soft $12

PROJECTILE ANALYSIS (Computl tool)
24)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Solves the general projectile motion problem for time of flight, horizontal range, final vel, impact angle.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K +tape
Sce: Microphys $20

PULLEY SYSTEMS - MACHINES (Skills pract)
25)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Questions on analyzing pulley systems with single to triple movable blocks; dialog/exer. sheets; reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

MOMENTUM AND ENERGY (Skills pract)
26)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Questions on linear momentum, impulse & kinetic energy; dialog or exer. sheets; reports student perform'nc.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

INELASTIC COLLISIONS (Skills pract)
27)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Questions on the analysis of an inelastic collision; dialog or exercise sheets; reports student performance.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

ENERGY &THE INCLINED PLANE (Skills pract)
28)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Questions on analysis of motion of a particle on an inclined plane; dialog or exer. sheets; reports perform'c.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

PROJECTILE MOTION (Skills pract)
29)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Questions on analyzing motion of projectile in flight; dialog or exer. sheets; reports student perform'nc.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

PULLEY SYSTEM - MACHINES (Skills pract)
30)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Questions on analyzing pulley systems with single to triple movable blocks; dialog/exer. sheets; reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

CENTRIPETAL FORCE (Skills pract)
31)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Questions on analyzing the motion of a particle in uniform circular motion; dialog/exer. sheets; reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

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Physics: Mechanics (CONT)

LINEAR KINEMATICS (Skills pract)
1)**Subj/Topic:** Mechanics **Grades:**11-12
Description: Questions on linear motion & analyzing a graph of instantaneous speed vs time; dialog/exer. sheets;reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20
Rev's: SMW Su81(0)

Nucleonics

SCRAM-NUCLEAR POWER PLANT (Simulation)
2)**Subj/Topic:** Nucleonics **Grades:**6-12
Description: Student manages the operation of a nuclear power plant; simulated hazards such as earthquakes; ext graphics.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+tape,joystick
Sce: Atari Inc. $24.95

SCATTER (Simulation)
3)**Subj/Topic:** Nucleonics **Grades:**11-12
Description: Student does experiments with particle scattering using different materials.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; P8K+t;Ap/TRS32K+d
Sce: Conduit $35
Rev's: PM Su80(0); JCR V1#1(0)

%SCATR2- PARTICLE SCATTER'G (Simulation)
4)**Subj/Topic:** Nucleonics **Grades:**11-12
Description: Simulates and plots the distribution of alpha particle scattering for Thomson, Rutherford & hard-sphere models.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $14.95 [pk8,5p]**

%SCATR3- PARTICLE SCATTER'G (Simulation)
5)**Subj/Topic:** Nucleonics **Grades:**11-12
Description: Plots the trajectories of alpha particles simulated in accordance with the Rutherford model.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $14.95 [pk8,5p]**

%SCATR1- PARTICLE SCATTER'G (Computl tool)
6)**Subj/Topic:** Nucleonics **Grades:**11-12
Description: Calculates the angular distribution of scattered alpha particles for a lab experiment; a Huntington II program.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $14.95 [pk8,5p]**

SCHRODINGER (Computl tool)
7)**Subj/Topic:** Nucleonics **Grades:**11-12
Description: 4 progs solve the Schrodinger equation for H atom, square well potential, and harmonic oscillator potential.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap32K+d; PET8K+t
Sce: Longman Group $ n/av [pk33,5p]**

%ATOMIC PHYSICS (Tutorial)
8)**Subj/Topic:** Nucleonics **Grades:**11-12
Description: 6 programs teach'g structure of atoms & causes of radioactive decay; some use a little math.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Cross Educatl Soft $30

Sound

SOUND (Tutorial)
9)**Subj/Topic:** Sound **Grades:**5-6
Description: Basic concepts of sound; everyday examples relate experiences, game reinforces & provides information & fun.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K + tape/disk
Sce: Right On Programs $15

LOUDNESS (Skills pract)
10)**Subj/Topic:** Sound **Grades:**10-12
Description: Given loudness & dist., find dist. where new random loudness will be; hints,remed'n,calcul funct'n;dsk vers $15.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K+tape or disk
Sce: Classic Soft Prods $9.95

LIGHTNING (Skills pract)
11)**Subj/Topic:** Sound **Grades:**11-12
Description: Pract finding distance of a storm,given interval & temp; gives hints & remed help; has calc funct; on dsk $14.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; Cassette tape
Sce: Classic Soft Prods $9.95

MACH NUMBER (Skills pract)
12)**Subj/Topic:** Sound **Grades:**11-12
Description: Pract finding mach no. of aircraft, given vel; gives hints & remedial help; has calc funct; dsk vers $14.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; Cassette tape
Sce: Classic Soft Prods $9.95

ECHOES (Skills pract)
13)**Subj/Topic:** Sound **Grades:**11-12
Description: Pract finding width of valley based on echo timing; gives hints,remedial help; has calc funct;on dsk $14.95.
Syst(s): PET
Lang/Min Hdwre: BASIC; Cassette tape
Sce: Classic Soft Prods $9.95

ENVELOPE CONSTRUCTION (Computl tool)
14)**Subj/Topic:** Sound **Grades:**11-12
Description: Student can design & contruct music timbres by plotting envelope of harmonics; hi-res displays of waves.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+disk, DAC brd
Sce: Micro-Music Inc. $175

Waves

†PHYSICS - WAVE MOTION (Skills pract)
15)**Subj/Topic:** Waves **Grades:**9-12
Description: Practice w/ problems derived from 11 wave motion equations; solve for unknown; grading system included.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Concept Educ'l Sft $30

WAVES (Skills pract)
16)**Subj/Topic:** Waves **Grades:**10-12
Description: Find wave vel on beach given random no.,time between & length of waves; hints,remed'n,calcul funct'n;dsk vers $15.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K+tape or disk
Sce: Classic Soft Prods $9.95

%WAVE ADDITION (Concept demo)
17)**Subj/Topic:** Waves **Grades:**10-14
Description: Draws in hi-res graphics results of wave superposition; beats, interference, & synthesis may be shown.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Vernier Software $24.95

GROUP VELOCITY (Concept demo)
18)**Subj/Topic:** Waves **Grades:**11-12
Description: Student controls wave length & velocity, also group vel., in demonstration of travel'g sine wave; 2 group types.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2.1
Sce: Conduit $45

%WAVE MOTION (Simulation)
19)**Subj/Topic:** Waves **Grades:**11-12
Description: Graphs simple and superimposed sine waves, including beats & standing waves, for study.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2/3.3
Sce: EduTech $85

WAVES IN LIN. MED-SUPERPOS (Simulation)
20)**Subj/Topic:** Waves **Grades:**11-12
Description: Expores constructive/destructive interfer of pulses;stud't learns resultant wave patterns; Apple vers'n $32.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; PET8K/Appl6K+tape
Sce: Merlan Scientific $24

SUPERPOSITION PACKAGE (Concept demo)
21)**Subj/Topic:** Waves **Grades:**11-12
Description: 2 programs show how waves add together to produce superposed forms; separate static & dynamic presentations.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 8KPET/16KAp +tape
Sce: Merlan Scientific $20

WAVE DEMONSTRATIONS (Concept demo)
22)**Subj/Topic:** Waves **Grades:**11-12
Description: For teacher; shows xvers & longitud'l waves, pulse interfer'c, standing waves; can freeze action; Ap vers $32.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; PET8K/Appl6K+tape
Sce: Merlan Scientific $24

PERIODIC MOTION (Tutorial)
23)**Subj/Topic:** Waves **Grades:**11-12
Description: 5 progs introd period mot'n, cycle,longitud'l/xverse vibr'n,ampl,phase, period, freq; uses grafx; Apple vers $40.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; PET8K/Appl6K+tape
Sce: Merlan Scientific $32

PERIODIC WAVES: BASICS (Tutorial)
24)**Subj/Topic:** Waves **Grades:**11-12
Description: 3 progs introd ideas of wave length,amplitude,period,frequency; most on xvers waves; demo's long waves;Ap ver $36.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; PET8K/Appl6K+tape
Sce: Merlan Scientific $28

PERIOD WAVES-INTERF/STANDG (Tutorial)
25)**Subj/Topic:** Waves **Grades:**11-12
Description: 2 progs analyze production of standing waves on stretched spring by apply'g interfer'c ideas; Apple vers $32.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; PET8K/Appl6K+tape
Sce: Merlan Scientific $24

TRANSVERSE STANDING WAVES (Skills pract)
26)**Subj/Topic:** Waves **Grades:**11-12
Description: Questions on the standing wave pattern established in wire with ends fastened;dialog/exer. sheets;reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K+t,ptr
Sce: Microphys $20

LONGITUDINAL STAND'G WAVES (Skills pract)
27)**Subj/Topic:** Waves **Grades:**11-12
Description: Questions on longitudinal waves established in open & closed organ pipes; dialog/exer. sheets; reports perf.
Syst(s): Apple CBM PET
Lang/Min Hdwre: BASIC; PET8K/Apl6K,t,ptr
Sce: Microphys $20

SCIENCE: Technology Educ

†TRANSPORTATION (Tutorial)
28)**Subj/Topic:** Technology Educ **Grades:**1-3
Description: Provides brief history of transportation to present time; rocket game tests recall; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†COMMUNICATIONS (Tutorial)
29)**Subj/Topic:** Technology Educ **Grades:**5-6
Description: Provides basic facts on communications, its importance & usage, effects of speed; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

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SOCIAL SCIENCE

†YOUR COMMUNITY (Tutorial)
1)**Subj/Topic:** General **Grades:**1-3
Description: Teaches how land use influences areas; urban, suburban, rural; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap16K+d;PET8K+t
Sce: Right On Programs $13

SOCIAL STUDIES - FARM LIFE (Tutorial)
2)**Subj/Topic:** General **Grades:**1-2
Description: Introduces basic concepts of farms,farm animals & products; also matching quest's on concepts; disk version $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Right On Programs $13

HOLIDAYS AND FESTIVALS (Tutorial)
3)**Subj/Topic:** General **Grades:**1-3
Description: Intros U.S. nat'l holidays; incl vocabulary, games, customs & games; match'g game tests recall; disk vers $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Right On Programs $13

†WORD RACE:AMER THEME,SOCST (Educ'l game)
4)**Subj/Topic:** General **Grades:**2-7
Description: 8 stud'ts work way across their tracks finding solutions to social studies problems; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t,24K+d;padls
Sce: Edupro $19.95

†TEAM WORK/AMER THEME,SOCST (Educ'l game)
5)**Subj/Topic:** General **Grades:**2-7
Description: 2 teams of players work on solution to social studies concepts; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t,24K+d;padls
Sce: Edupro $19.95

†COMMUNITY HELPERS (Tutorial)
6)**Subj/Topic:** General **Grades:**2-3
Description: Student learns about community helpers & their jobs, commonplace and unusual, for men & women; game; on dsk$15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap16K+d;PET8K+t
Sce: Right On Programs $13

%USPOP - U.S. POPUL TRENDS (Simulation)
7)**Subj/Topic:** General **Grades:**7-12
Description: Student investigates the trends in U.S. population and their possible effects; a Huntington II program.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $19.95 [pk9,6p]**

%SAP- SURVEY ANALYSIS PKG (Computl tool)
8)**Subj/Topic:** General **Grades:**7-12
Description: Does statistical analysis of results of student survey projects; general purpose; a Huntington II program.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $15.95 [pk9,5p]**

SOCIAL SCIENCE: Civics/Govern't

CAPITAL QUIZ (Rote drill)
9)**Subj/Topic:** Civics/Govern't **Grades:**5-10
Description: Random output, used 2 ways: Given capital, name state; given state, name capital. Score displayed.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Mega-Byte Systems $15.95

POLICY (Computl tool)
10)**Subj/Topic:** Civics/Govern't **Grades:**7-12
Description: Students organize to support or oppose governmental policies. Computer used to register votes.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: N.C.C.C.D. $5

†US GOV'T-DEMOCRACY AT WORK (Tutorial)
11)**Subj/Topic:**Civics/Govern't **Grades:**5-6
Description: Explains public & private government systems; contrasts communism & democracy; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap16K+d;PET8K+t
Sce: Right On Programs $13

†THE LAW (Tutorial)
11)**Subj/Topic:** Civics/Govern't **Grades:**7-14
Description: Learn about rights of protection: arrest, search, witnessing a crime &other legal issues; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC;Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

AMENDM'TS TO U.S.CONSTIT'N (Educ'l game)
12)**Subj/Topic:** Civics/Govern't **Grades:**10-12
Description: Up to 3 players compete in matching concepts with the numbers of the appropriate constitutional amendments.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Redcomp Services $22.95

%POLICY- INTEREST GROUPS (Simulation)
13)**Subj/Topic:** Civics/Govern't **Grades:**10-12
Description: Teams take interest group roles in this exploration of interest group impact on our society & economy.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk10,6p]**

SOCIAL SCIENCE: Current Events

†WORD DRAW:WRLD AR US,LEADR (Educ'l game)
14)**Subj/Topic:** Current Events **Grades:**7-12
Description: 4 stud'ts simultaneously work on puzzles & problems that teach about world leaders; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;padls
Sce: Edupro $19.95

ENERGY SEARCH (Simulation)
15)**Subj/Topic:** Current Events **Grades:**7-12
Description: Students manage an energy factory & recreate exciting steps taken in search of new energy sources.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K+d/TRS32K+d
Sce: McGraw-Hill (EDL) $180

ENERGY CZAR (Simulation)
16)**Subj/Topic:** Current Events **Grades:**8-12
Description: Student explores strategies for solving U.S. energy crisis; feeback given on growth,inflat'n,public satisf'n.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Inc. $ n/av
Rev's: PM Su81(+); SMW W83(-)

ENERGY (Simulation)
17)**Subj/Topic:** Current Events **Grades:**9-12
Description: The student tests his or her own decisions for solving the U.S. energy crisis.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+dsk, ROM A/S
Sce: Minn Ed Comp Consrt $36.80 [pk100,10p]**

USPOP (Simulation)
18)**Subj/Topic:** Current Events **Grades:**9-12
Description: Using 1970 census data, explore roles of fertility, birth distribution,sex ratio,population age,struct, etc.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: N.C.C.C.D. $5

%ENERGY- SOLV'G U.S. CRISIS (Simulation)
19)**Subj/Topic:** Current Events **Grades:**9-12
Description: The student may test his or her own strategies to solve the U.S. energy crisis.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $ n/av [pk4,5p]**

%FUTURE (Simulation)
20)**Subj/Topic:** Current Events **Grades:**10-12
Description: Student investigates the possible implications of a past administration's energy plan.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk4,5p]**

%LIMITS TO GROWTH (Simulation)
21)**Subj/Topic:** Current Events **Grades:**10-12
Description: Student explores the effects of growth on world population,food supply, indust'l output,natural res'ces,pollution.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk4,5p]**

%EARTH - WORLD ENERGY (Data retr'val)
22)**Subj/Topic:** Current Events **Grades:**10-12
Description: Student has acces to data on 83 nations for testing of hypotheses regarding the world energy situation.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk4,5p]**

CRIMEX (Simulation)
23)**Subj/Topic:** Current Events **Grades:**11-12
Description: Simulates crime control in a large city.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K+dsk, ROM A/S
Sce: Minn Ed Comp Consrt $36.80 [pk100,10p]**

DEMO-GRAPHICS (Data retr'val)
24)**Subj/Topic:** Current Events **Grades:**11-12
Description: Can be used to explore/demonstrate population trends in 40 countries and some of the factors affecting them.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.2.1
Sce: Conduit $85

U.S. ENERGY; ENVIR/ECON (Simulation)
25)**Subj/Topic:** Current Events **Grades:**11-12
Description: Students explore interaction of U.S. economy, energy supply/demand, and physical environs as impacts publ policy.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K ModI/III+disk
Sce: Conduit $50

STREETS OF THE CITY (Educ'l game)
26)**Subj/Topic:** Current Events **Grades:**11-12
Description: User heads 10-yr program to improve streets & transit syst within limits of financial, labor & polit'l factors.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; 32K Ap/TRS,40K At
Sce: Compuware $24.95 [pk25,2p]**

SOCIAL SCIENCE: Economics

SELL APPLES (Simulation)
27)**Subj/Topic:** Economics **Grades:**3-6
Description: The student runs a simulated apple stand & explores how and why prices are set.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk74,7p]**
Rev's: MJ W81(+)

SELL PLANTS (Simulation)
28)**Subj/Topic:** Economics **Grades:**4-8
Description: Class sells tomato plants & explores the effects of various approaches to pricing & advertising.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk74,7p]**
Rev's: MJ W81(+)

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SOCIAL SCIENCE: Economics (CONT)

LEMONADE (Educ'l game)
1)**Subj/Topic:** Economics **Grades:**4-12
Description: Several teams run own lemonade stands, make daily decisions regarding price, prod level & advert'g;also on disk.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Prog Exchng $15.95

SELL LEMONADE (Educ'l game)
2)**Subj/Topic:** Economics **Grades:**5-12
Description: Student teams run lemonade stands & explore pricing, advertising & setting production levels for max profit.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk74,7p]**
Rev's: MJ W81(0)

†%VIC LEMONADE (Educ'l game)
2)**Subj/Topic:** Economics **Grades:**5-12
Description: Classic economics game for 2 players; tunes & color graphics; covers pricing, advertis'g, produc'n level, etc.
Syst(s): VIC-20
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Taylormade Softwe $14.95

KINGDOM (Educ'l game)
3)**Subj/Topic:** Economics **Grades:**6-10
Description: Student is ruler of a small country & tries to allocate resources to maximize popul'n; develops math skills.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Atari Inc. $14.95
Rev's: PM Su80(0)

SAMPLING (Concept demo)
4)**Subj/Topic:** Economics **Grades:**6-12
Description: Random samples of 5 scores are taken from population; shows graphically central tendency; also on disk.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET8K/others16K+t
Sce: Schl & Home CseWar $24.95 [pk17,2p]**
Rev's: MT 2/82(+)

SELL BICYCLES (Educ'l game)
5)**Subj/Topic:** Economics **Grades:**6-12
Description: Two teams run bicycle manufacturing companies; explore pricing, advertising, production levels, competition.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk74,7p]**
Rev's: MJ W81(+)

%HAMMARABI (Educ'l game)
6)**Subj/Topic:** Economics **Grades:**6-10
Description: Game in which the user tries to manage the economy of ancient Sumeria to support maximum population.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $9.95 [pk10,6p]**

KINGDOM (Educ'l game)
7)**Subj/Topic:** Economics **Grades:**6-12
Description: Pupil is the ruler of an ancient kingdom; tries to effectively manage people and resources.
Syst(s): PET TRS-80
Lang/Min Hdwre: BASIC; 8KPET/16KTRS+tape
Sce: Micro Learningware $7.95

†SUMER (Educ'l game)
8)**Subj/Topic:** Economics **Grades:**7-12
Description: A simulation which combines role play & economics to rule an ancient kingdom.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.3
Sce: Minn Ed Comp Consrt $30 [pk126,5p]**
Rev's: MJ W81(0)

SANTA PARAVIA & FIUMACCIO (Educ'l game)
9)**Subj/Topic:** Economics **Grades:**7-12
Description: Up to 6 students/teams compete in managing economies of neighboring Italian city states in A.D. 1400.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; Ap48K+others16K+t
Sce: Instant Software $9.95
Rev's: MJ V3#2(0); PM Ed#12(+)

PRINCIPLES OF ECONOMICS (Tutorial)
10)**Subj/Topic:** Economics **Grades:**10-12
Description: Complete survey course from capitalism through GNP to problems of growth;req's Educ'l Master Cartr'dg @ $30.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Atari Inc. $29.95

%BALPAY-BALANCE OF PAYMENTS (Simulation)
11)**Subj/Topic:** Economics **Grades:**11-12
Description: User explores factors affecting U.S. balance of payments situation.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk10,5p]**

SOCIAL SCIENCE: Geography

†GREAT MAINE TO CALIF RACE (Educ'l game)
12)**Subj/Topic:** Geography **Grades:** K-2
Description: Student ans quest'ns about state he's in to drive on toward CA; plays against another player or computer.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+ disk
Sce: Hayden Book Co. $34.95

†BEGINNING GEOGRAPHY (Tutorial)
13)**Subj/Topic:** Geography **Grades:**1-3
Description: Teaches basic map skills and directions; symbols for rivers, mountains, cities, etc; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

WORLD POLAR REGIONS (Tutorial)
14)**Subj/Topic:** Geography **Grades:**1-3
Description: Gives basic info on this climatic region & on its flora & fauna; match'g game checks recall; disk vers $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Appl6K/PET8K+tape
Sce: Right On Programs $13

†WORD DRAW:STATES,CAP,LNDMK (Educ'l game)
15)**Subj/Topic:** Geography **Grades:**2-7
Description: 4 stud'ts solve puzzles w/ various formats that contain state names, capitals, familiar landmarks; disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t,24K+d
Sce: Edupro $19.95

TIC-TAC STATES (Rote drill)
16)**Subj/Topic:** Geography **Grades:**3-6
Description: This program is set in game format with players matching states & capitals in order to get on the board.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Comm*Data Comp Hse $9.95

CONTINENTS-MEDALIST SERIES (Skills pract)
17)**Subj/Topic:** Geography **Grades:**3-10
Description: Shapes,details given; stud't must guess answer; can buy clues (multiple level clue difficulty); hi-res graphics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+Applesoft,dsk
Sce: Hartley Courseware $39.95

STATES - MEDALIST SERIES (Skills pract)
18)**Subj/Topic:** Geography **Grades:**3-10
Description: Shape given; student guesses state;can buy clues such as nickname,etc.; teacher can change clues; hi-res graphics.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+Applesoft,dsk
Sce: Hartley Courseware $39.95

CAPITALS QUIZ (Rote drill)
19)**Subj/Topic:** Geography **Grades:**3-7
Description: Multiple choice drill of capitals in: United States, Americas, Asia, Africa, Europe, Mid-East-Asia.
Syst(s): TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Color Sftwe Svcs $19.95

†UNITED STATES GEOGRAPHY (Tutorial)
20)**Subj/Topic:** Geography **Grades:**4-9
Description: Teaches & quizzes on states, cap'tls, major cities, rivers, lakes,mtns, sites,state borders; graphics,maps, guide.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Concept Educ'l Sft $35

†WORLD GEOGRAPHY (Tutorial)
21)**Subj/Topic:** Geography **Grades:**4-9
Description: Teaches & quizzes on 7 continents; major countries, capitals,cities, oceans,rivers, lakes, mtsns,borders,guide.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Concept Educ'l Sft $35

†WORLD MAP (Tutorial)
22)**Subj/Topic:** Geography **Grades:**4-12
Description: Intro to world georgraphy; explains land, water, air; major contenents & oceans; graphics; review.
Syst(s): CP/M
Lang/Min Hdwre: BASIC; 56K + disk
Sce: Generic Software $19.95
Rev's: ET 10/82(+)

†STATES OF THE U.S. (Tutorial)
23)**Subj/Topic:** Geography **Grades:**4-6
Description: Provides basic background info about America; fun matching game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Apl6K+d;PET8K+t
Sce: Right On Programs $13

†STATES/CAPTLS/PRES/V-PRES (Educ'l game)
24)**Subj/Topic:** Geography **Grades:**4-12
Description: Provides reinforcement of states, capitals; 2nd prog on presidents & vice presidents; game format.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K+ disk or tape
Sce: Edco $25

†GLOBE MASTER II (Educ'l game)
25)**Subj/Topic:** Geography **Grades:**4-12
Description: Student is drilled in geography with set of 9 high res maps.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Versa Computing $39.95

†GLOBE MASTER (Educ'l game)
26)**Subj/Topic:** Geography **Grades:**4-12
Description: Student is drilled in geography with set of 8 high res color maps.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Versa Computing $29.95
Rev's: CRC V1#1(-)

†THE STATES GAME (Educ'l game)
27)**Subj/Topic:** Geography **Grades:**4-10
Description: Learn about the different states while guessing them from descriptive clues.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Brain Bank $60

STATES & CAPITALS (Rote drill)
28)**Subj/Topic:** Geography **Grades:**4-9
Description: Program draws map with state outlined; student must identify the state & give its capital; reports perf'nc.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Inc. $ n/av
Rev's: CC 9/80; PM Su81(+)

EUROPEAN COUNTRIES,CAPIT'L (Rote drill)
29)**Subj/Topic:** Geography **Grades:**4-9
Description: Program draws a map with country outlined; student must identify country & give its capital; reports perf.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Inc. $ n/av

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SOCIAL SCIENCE: Geography (CONT)

%STATE GUESS (Rote drill)
1)**Subj/Topic:** Geography **Grades:**4-10
Description: Computer "tries" to guess a state based on information given by student; reviews geographical facts.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Basics & Beyond $24.95 [pk15,20p]**
Rev's: CC 9/80

ASTRO WORD SEARCH:GEOGRAPH (Skills pract)
2)**Subj/Topic:** Geography **Grades:**4-8
Description: Creates word search puzzles w/ geog place names; 3 progs; reports student perf; Apple & Atari disk vers,$23.95.
Syst(s): Apple Atari PET TRS-80
Lang/Min Hdwre: BASIC; PET 8K;others 16K
Sce: Program Design Inc $16.95

NATIONS AND CAPITALS (Educ'l game)
3)**Subj/Topic:** Geography **Grades:**4-10
Description: Up to 3 players compete in naming countries, given their capitals & vice versa; players select the region.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Redcomp Services $22.95

STATES & STATES2 (Rote drill)
4)**Subj/Topic:** Geography **Grades:**4-9
Description: Two drill programs to test & develop student ability to recall state names, locations & capitals.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk74,7p]**
Rev's: MJ W81(+)

U.S. MAP (Rote drill)
5)**Subj/Topic:** Geography **Grades:**4-9
Description: Drills student on identities of states and their capitals on a U.S. map on the screen; disk version $24.95.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Compuware $11.95 [pk46,4p]**
Rev's: MJ V3#2(+)

U.S. GEOGRAPHY (Rote drill)
6)**Subj/Topic:** Geography **Grades:**4-9
Description: Introduces & drills on state capitals; accepts like phonetic spellings; gives performance report at end.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Demi-Software $9.95
Rev's: TCT 11/81(0)

CAPITALS (Rote drill)
7)**Subj/Topic:** Geography **Grades:**4-8
Description: Drill on the states and their capitals.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ModI/III+tape
Sce: Software Industries $9.90 [pk76,3p]**

NATIONS (Rote drill)
8)**Subj/Topic:** Geography **Grades:**4-8
Description: Guess correct name of nation & its capital. Format similar to Hangman; user receives points for correct letter.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Comm*Data Comp Hse $9.95

GEOGRAPHICAL NEIGHBORS (Skills pract)
9)**Subj/Topic:** Geography **Grades:**4-12
Description: Computer poses state (country); stud't gives neighbor;incl USA,Asia, Latin Amer,Africa,Europe; disk vers $104.
Syst(s): PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: E. David & Assoc. $99

GEOGRAPHY EXPLORER: USA (Tutorial)
10)**Subj/Topic:** Geography **Grades:**4-12
Description: Instr'n & pract on U.S. regions & states includ'g locat'ns,capitals, popul'ns,etc.; ext graphx; on disk $49.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+t;32K+d;Mdl/3
Sce: Instant Software $29.95
Rev's: TCT 5/82(0); PM Ed#12(+); SMW Su82(+)

STATE CAPITALS (R drill)
11)**Subj/Topic:** Geography **Grades:**4-8
Description: Lists states, then gives capitals one at a time for identification; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk53,5p]**

ATLAS OF CANADA (Rote drill)
12)**Subj/Topic:** Geography **Grades:**4-12
Description: Drill on recognizing shapes & locations of provinces & on identifying prov capitals/landmarks;w/ hints,perf rep.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Atari Prog Exchng $22.95

U.S. GEOGRAPHY QUIZ (Rote drill)
13)**Subj/Topic:** Geography **Grades:**4-10
Description: Computer displays outline of state on screen; student names state, its capital & the year it entered the Union.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K ModI/III,disk
Sce: Mic'comp Soft Sys $40

U.S. GEOGRAPHY QZ-REGIONS (Rote drill)
14)**Subj/Topic:** Geography **Grades:**4-9
Description: 4 programs drill students on states: map shape, capital city, date admitted to the Union.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Mic'comp Soft Sys $60

MAPS AND GLOBES (Skills pract)
15)**Subj/Topic:** Geography **Grades:**4-8
Description: Poses questions on material in "Maps & Globes" (Job & Wolf); gives immediate feedback; tracks progress;19tapes.
Syst(s): Apple Atari PET TRSCol VIC-20
Lang/Min Hdwre: BASIC; Ap/Col+d;At/P/V+t
Sce: Micro-Ed $136

STATES AND CAPITALS (Rote drill)
16)**Subj/Topic:** Geography **Grades:**4-8
Description: Program drills user on randomly selected states & their capitals; computer gives clues if needed.
Syst(s): Apple PET TRS-80 TRSCol
Lang/Min Hdwre: BASIC; 8KPET/16KAp,TRS+t
Sce: Micro Learningware $7.95

REGIONS OF THE U.S. (Rote drill)
17)**Subj/Topic:** Geography **Grades:**4-9
Description: Drill where user identifies the U.S. regions in which randomly selected states are located.
Syst(s): Apple PET TRS-80 TRSCol
Lang/Min Hdwre: BASIC; 8KPET/16KAp,TRS+t
Sce: Micro Learningware $7.95

TOURING"GET HERE TO THERE" (Educ'l game)
18)**Subj/Topic:** Geography **Grades:**4-12
Description: Computer poses starting and ending locations and asks for tour; 5 continents; disk price: $104.
Syst(s): PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: E. David & Assoc. $99

TOURING AMERICA (Educ'l game)
19)**Subj/Topic:** Geography **Grades:**4-12
Description: Computer poses starting & ending locations & asks for tour; with graphics; disk price $29.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+tape;32K+disk
Sce: E. David & Assoc. $24.95

†GEOGRAPHY EXPLORER: EUROPE (Tutorial)
20)**Subj/Topic:** Geography **Grades:**5-12
Description: Teaches ess'ntl geographical facts on ea country; name, location, govt, chief export, lang, features, etc;d$49.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+t; 32K+d
Sce: Instant Software $29.95

†GEOGRAPHY EXPLORER:MIDEAST (Tutorial)
21)**Subj/Topic:** Geography **Grades:**5-12
Description: Teaches ess'ntl geographical facts on ea country; name, location, govt, chief eexport, language, features, etc.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Instant Software $49.95

%COUNTRY GUESS (Skills pract)
22)**Subj/Topic:** Geography **Grades:**5-10
Description: Computer "tries" to guess a country based on information given by the student; reviews geographical facts.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Basics & Beyond $24.95 [pk14,30p]**

EUROPEAN MAP (Rote drill)
23)**Subj/Topic:** Geography **Grades:**5-12
Description: Drill on identifying European countries on a screen-displayed map; disk version $24.95.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Compuware $11.95 [pk29,3p]**

SUPERMAP (Data retr'val)
24)**Subj/Topic:** Geography **Grades:**5-12
Description: State capitals drill plus data base & maps for city/state locations, city facts,ecolog'l regions,solar radia'n.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: The Software Guild $35

FOREIGN CAPITALS (Rote drill)
25)**Subj/Topic:** Geography **Grades:**5-10
Description: Drill on identifying the capitals of major countries; on dsk $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk53,5p]**
Rev's: SMW Su81(-)

WORLD AREA BY COUNTRY (Rote drill)
26)**Subj/Topic:** Geography **Grades:**5-10
Description: Drill on relative geographical areas of major countries; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk55,5p]**

POPULATION OF WORLD CITIES (Rote drill)
27)**Subj/Topic:** Geography **Grades:**5-10
Description: Drill on listing the world's urban areas according to their populations; disk version $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk55,5p]**

WORLD POPUL'N BY COUNTRY (Rote drill)
28)**Subj/Topic:** Geography **Grades:**5-10
Description: Drill on relative population sizes of major countries; on disk $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk55,5p]**

COUNTRY (Rote drill)
29)**Subj/Topic:** Geography **Grades:**5-10
Description: Drill on countries and the continents in which they are located.
Syst(s): Apple TRS-80 TRSCol
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Micro Learningware $7.95

ALASKA THE GREAT LAND (Tutorial)
30)**Subj/Topic:** Geography **Grades:**5-12
Description: Multi-media unit including among mater's an introductory hi-res lesson to reinforce, test facts & concepts.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Applecart $250

†REGIONS OFTHE UNITEDSTATES (Skills pract)
31)**Subj/Topic:** Geography **Grades:**6-9
Description: Students rev'w states region by region, then are requested to identify states and spell them correctly.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Educat'l Activit's $39.95

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SOCIAL SCIENCE: Geography (CONT)

†NOMAD (Educ'l game)
1)**Subj/Topic:** Geography **Grades:**6-9
Description: An educational game which develops map reading skills using a game format.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.3
Sce: Minn Ed Comp Consrt $30 [pk126,5p]**

WORLD GEOGRAPHY (Rote drill)
2)**Subj/Topic:** Geography **Grades:**6-10
Description: Introduces & drills on world capitals; accepts like phonetic spellings; session-end performance report.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Demi-Software $9.95

†WORD DRAW:WRLD ARD US,GEOG (Educ'l game)
3)**Subj/Topic:** Geography **Grades:**7-12
Description: 4 stu'ts work to solve geography puzzles & problems; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;joyst
Sce: Edupro $19.95

SHORE FEATURES (Tutorial)
4)**Subj/Topic:** Geography **Grades:**7-12
Description: Intro, questions,tutorial on 12 different geographical features of shores&beaches;color grafx locat'g feat's.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.3
Sce: TYC Software $24.95

MAPWARE (Computl tool)
5)**Subj/Topic:** Geography **Grades:**7-12
Description: Enables user to create and store hi-res maps of any region in any of 4 different projections; incl's 5 samples.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 40K + disk
Sce: Atari Prog Exchng $22.95

†MAP READING (Tutorial)
6)**Subj/Topic:** Geography **Grades:**9-14
Description: Using a problem solving approach, teaches effective use & interpretation of road map skills; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†ISOPLETH MAP MAK'G PACKAGE (Computl tool)
7)**Subj/Topic:** Geography **Grades:**9-14
Description: Create own maps such as topographic contour maps;a line drawn a graph or a map connecting all pts equal value.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Atari Prog Exchng $22.95

SOCIAL SCIENCE: History

†WORD DRAW:FAMOUS AMERICANS (Educ'l game)
8)**Subj/Topic:** History **Grades:**2-7
Description: 4 students together solve puz'ls & probs using inventors, explorers reformers, athletes, artists,etc;d$24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;joyst
Sce: Edupro $19.95

†WORD DRAW: PRESIDENTS (Educ'l game)
9)**Subj/Topic:** History **Grades:**2-7
Description: 4 stud'ts work cooperatively or compet'vly to solve puzzles involv'g presid'ts, 1st ladies, etc; disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;joyst
Sce: Edupro $19.95

AMERICAN HISTORY - BIOG'S (Tutorial)
10)**Subj/Topic:** History **Grades:**3-5
Description: Intro's famous Americans in pilgram,colonial,westward periods; a few facts about ea; vocab, game; disk ver $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Right On Programs $13

†UNITED STATES PRESIDENTS (Tutorial)
11)**Subj/Topic:** History **Grades:**4-9
Description: Gives history of & quizzes on all U.S. presidents; grading system and teacher guide.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ tape or disk
Sce: Concept Educ'l Sft $30

†WHO BUILT AMERICA (Tutorial)
12)**Subj/Topic:** History **Grades:**4-5
Description: Teaches why immigrants came & what they brought & built here; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap16K+d;PET8K+t
Sce: Right On Programs $13

†GROWTH OF UNITED STATES (Tutorial)
13)**Subj/Topic:** History **Grades:**4-5
Description: Teaches reasons, causes and famous people who helped build America; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap16K+d;PET8K+t
Sce: Right On Programs $13

†FLAGS OF EUROPE (Rote drill)
14)**Subj/Topic:** History **Grades:**4-12
Description: Helps become an expert at recognizing European flags; 2 kinds of quizzes; correct answer hears native song.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 48K + tape
Sce: Atari Prog Exchng $22.95

AMERICAN INDIANS (Tutorial)
15)**Subj/Topic:** History **Grades:**4-6
Description: Intros various tribes, their home regions & ways of life, & what they taught new Americans; disk version $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Right On Programs $13

STATES - ORDER OF ENTRY (Rote drill)
16)**Subj/Topic:** History **Grades:**4-9
Description: Drill on the order of entry of states into the Union; on disk $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk54,5p]**

PRESIDENTS-ORDER OF OFFICE (Rote drill)
17)**Subj/Topic:** History **Grades:**4-9
Description: Drill on the order in which U.S. Presidents held office; on dsk $24.95.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Jensen Software $19.95 [pk54,5p]**

PRESIDENTS OF THE U.S. (Rote drill)
18)**Subj/Topic:** History **Grades:**4-12
Description: Mult-choice drill on U.S. presidents; ea question has 4 clues which change w/ session; 2 levels; perf reports.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 24K + tape
Sce: Atari Prog Exchng $15.95

TRAIL WEST (Educ'l game)
19)**Subj/Topic:** History **Grades:**4-10
Description: Player manages available resources on trip to Calif. gold fields; includes random events; extensive graphics.
Syst(s): PET VIC-20
Lang/Min Hdwre: BASIC; PET8K/VIC5K+tape
Sce: Micro-Ed $7.95

PRESIDENTS (Rote drill)
20)**Subj/Topic:** History **Grades:**4-10
Description: Program drills the student on the Presidents of the United States.
Syst(s): Apple PET TRS-80 TRSCol
Lang/Min Hdwre: BASIC; 8KPET/16KAp,TRS+t
Sce: Micro Learningware $7.95

ALASKA NATIVES MULTI-MEDIA (Tutorial)
21)**Subj/Topic:** History **Grades:**4-7
Description: 4 disks covering the 4 native Alaskan cultures and one which gives a comprehensive test; also other media.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Applecart $250

†STARS IN THE UNION (Concept demo)
22)**Subj/Topic:** History **Grades:**5-10
Description: Student enters N, prog shows U.S. flag w/N stars; star patterns simulate historic flags; on disk $20.
Syst(s): Apple Atari TRS-80
Lang/Min Hdwre: BASIC; 16K;TRS+t,Ap/At+d
Sce: Cybernetic Info $15

†THE MIDDLE AGES (Tutorial)
23)**Subj/Topic:** History **Grades:**5-6
Description: Provides basic historic, political & economic facts of period; game follows; on disk $15.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; Ap16K+d;PET8K+t
Sce: Right On Programs $13

†MEET THE PRESIDENTS (Educ'l game)
24)**Subj/Topic:** History **Grades:**6-10
Description: Historical skills tested & visual recognition practiced w/ 39 orig full color computer graphic portraits.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Versa Computing $39.95
Rev's: CCS 82(0); CC 4/82(+); ET 9/82(+)

†NEW COWTIN'T IS DISCOVERED (Tutorial)
25)**Subj/Topic:** History **Grades:**5-8
Description: Designed to promote appreciation of people & events that shaped the early discoveries; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†THE THIRTEEN COLONIES (Tutorial)
26)**Subj/Topic:** History **Grades:**5-8
Description: Designed to promote understanding of events that formed & brought together the 13 Colonies; on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†AMERICAN EXPLORERS (Tutorial)
27)**Subj/Topic:** History **Grades:**5-8
Description: Designed to promote understanding of events & rugged people who helped a young nation grow;on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†JAMESTOWN,EARLY SETTLEMENT (Tutorial)
28)**Subj/Topic:** History **Grades:**5-8
Description: Designed to promote understanding of the reasons & events that led to search'g new beginnings;on disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†STRUGGLE FOR INDEPENDENCE (Tutorial)
29)**Subj/Topic:** History **Grades:**5-8
Description: Designed to promote understanding about people & events that ledto taking steps to independence;disk $29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

†WESTERN EXPANSION (Tutorial)
30)**Subj/Topic:** History **Grades:**5-8
Description: Designed to promote understanding of the westward movement; geography & vocabulary enrichment;disk$29.95.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; Ap32K+d,TRS 16K+t
Sce: Aquarius Publish's $24.95

U.S. HISTORY (Rote drill)
31)**Subj/Topic:** History **Grades:**5-10
Description: Introduces & drills on U.S. Presidents incl gen'l info; takes like phonetic spellings; performance report.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III,tape
Sce: Demi-Software $9.95

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SOCIAL SCIENCE: History (CONT)

ANCIENT CIVILIZATIONS (Skills pract)
1)**Subj/Topic:** History **Grades:**5-12
Description: Ancient civilizations are on maps appear'g on screen; stud'ts identify each; reports perf; also on disk.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Micro-Ed $14.95

OCEANS & CONTINENTS (Skills pract)
2)**Subj/Topic:** History **Grades:**5-12
Description: Continents & oceans appear on screen; stud'ts identify them by locations; reports perf; also on disk.
Syst(s): PET
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Micro-Ed $14.95

EARLY HUMANS (Tutorial)
3)**Subj/Topic:** History **Grades:**5-6
Description: Prehistoric man, how lived & learned; clothing, food, weapons, travel transportation; game follows.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K + tape /disk
Sce: Right On Programs $15

EARLY CIVILIZATIONS (Tutorial)
4)**Subj/Topic:** History **Grades:**5-6
Description: Early Greek, Roman civilization introduced; famous names & places play a part.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K + tape/disk
Sce: Right On Programs $15

†**LINCOLN'S DECISION** (Simulation)
5)**Subj/Topic:** History **Grades:**6-9
Description: Student is presented with choices Abe Lincoln faced & is challenged to duplicate his decisions.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 32K + disk
Sce: Educat'l Activit's $49

†**FURS** (Simulation)
6)**Subj/Topic:** History **Grades:**6-9
Description: A simulation of fur trade as it was carried on in eastern North America in the 1770's.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.3
Sce: Minn Ed Comp Consrt $30 [pk126,5p]**

†**OREGON** (Educ'l game)
7)**Subj/Topic:** History **Grades:**6-9
Description: A simulation of a trip by covered wagon as it might have occured from Missouri to Oregon City in 1847.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.3
Sce: Minn Ed Comp Consrt $30 [pk126,5p]**

†**VOYAGEUR** (Educ'l game)
8)**Subj/Topic:** History **Grades:**6-9
Description: A simulation of transport of furs by canoe in northern Minnesota & southern Ontario in early 1800's.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.3
Sce: Minn Ed Comp Consrt $30 [pk126,5p]**

PIONEERING IN TECHNOLOGY (Tutorial)
9)**Subj/Topic:** History **Grades:**6-12
Description: Set of 4 audio visual progs. providing a narrated history of modern technology; quiz and scoring.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Radio Shack $94.95

INVENT'NS THAT CHNGD LIVES (Tutorial)
10)**Subj/Topic:** History **Grades:**6-12
Description: Set of 4 tapes provides narrated A-V history of inventors & their inventions; quiz and performance score.
Syst(s): TRSCol
Lang/Min Hdwre: Author; 16K + tape
Sce: Radio Shack $94.95

†**U.S. CONSTITUTION TUTOR** (Tutorial)
11)**Subj/Topic:** History **Grades:**7-14
Description: Reviews U S Constitution; explains ans on 175 all-level mult choice quests; instruct or test modes; scoring.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Micro Lab $30
Rev's: ST 11/81

†**WORD DRAW:WRLD ARD US,HIST** (Educ'l game)
12)**Subj/Topic:** History **Grades:**7-12
Description: 4 stud'ts work to solve history games & puzzles; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d;padls
Sce: Edupro $19.95

†**TEAM WORK:WRLD AR US, HIST** (Educ'l game)
13)**Subj/Topic:** History **Grades:**7-12
Description: 2 teams of 4 studts together work to find solution to concepts presented in their "windows"; on disk $24.95.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 16K+t;24K+d
Sce: Edupro $19.95

†**WORD RACE:WRLD AR US, HIST** (Educ'l game)
14)**Subj/Topic:** History **Grades:**7-12
Description: 8 students work to solve puzzles about history; on disk $24.95.
Syst(s): Atari Atari PET TRS-80 VIC-20
Lang/Min Hdwre: BASIC; 16K+t,24K+d;padls
Sce: Edupro $19.95

†**DISCOVERING AMERICA I & II** (Tutorial)
15)**Subj/Topic:** History **Grades:**7-12
Description: Covers concept of community, people of America, national symbols, government; overview of 1600's to present.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K + DOS 3.3/3.2
Sce: Ctr-Educ'l E.D.E. $90

GEOGRAPHY SEARCH (Simulation)
16)**Subj/Topic:** History **Grades:**7-12
Description: Stud't explorer teams search for New World & learn cooperation, mapp'g, navigation, climate, recordkeep'g & more.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K+d/TRS32K+d
Sce: McGraw-Hill (EDL) $180
Rev's: SMW Su81(+);CCN 1-2/82(+);EL 1-2/82(+)

COMMUNITY SEARCH (Simulation)
17)**Subj/Topic:** History **Grades:**7-12
Description: Students are in ancient society forced to move; make decisions about migrat'n,occupat'ns,trade,aggres'n & more.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K+d/TRS32K+d
Sce: McGraw-Hill (EDL) $180
Rev's: EL V2#3(+)

ARCHAEOLOGY SEARCH (Simulation)
18)**Subj/Topic:** History **Grades:**7-12
Description: Stud't research teams organize excavation of historical site; collect data & formulate theories about ancients.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; App48K+d/TRS32K+d
Sce: McGraw-Hill (EDL) $180

FUR TRADER (Educ'l game)
19)**Subj/Topic:** History **Grades:**8-11
Description: The player leads a fur trading expedition in 1779, trying to sell furs & get supplies; lots of hazards.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Compuware $11.95 [pk28,5p]**

%**BUFLO-WILDLIFE CONSERVAT'N** (Simulation)
20)**Subj/Topic:** History **Grades:**8-12
Description: Explores the effects of alternate harvesting policies on buffalo population; a Huntington II program.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk1,6p]**

†**THE DECADES GAME I,II,III** (Educ'l game)
21)**Subj/Topic:** History **Grades:**9-12
Description: Players learn historical data as they determine dates of events in America's politics, economics, art, etc.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; 16K;Ap+d;PET+tord
Sce: Brain Bank $60

CIVIL (Educ'l game)
22)**Subj/Topic:** History **Grades:**9-12
Description: Reenacts Civil War battles with the student as the Union or Confederate commander who chooses strategy.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 32K + DOS 3.2
Sce: Minn Ed Comp Consrt $30 [pk74,7p]**
Rev's: MJ W81(0)

†**HISTORIC SCROLL** (Concept demo)
23)**Subj/Topic:** History **Grades:**10-12
Description: Prints upto 30 parallel time lines denoting begin & end of events stored on disk; identify contemporaries.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 32K ModI/3 +d,prt
Sce: Cybernetic Info $20

WORLD HISTORY (Tutorial)
24)**Subj/Topic:** History **Grades:**10-12
Description: Instruction & questions on world history from prehistory to the Cold War;req's Educ'l Syst Master Cart'dg @$30.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Atari Inc. $29.95
Rev's: CC 9/80

U.S. HISTORY (Tutorial)
25)**Subj/Topic:** History **Grades:**10-12
Description: Complete survey course from Age of Exploration to the Atomic Age; requires Educ'l Syst Master Cartridge @ $30.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Atari Inc. $29.95
Rev's: CC 9/80

LIMITS (Simulation)
26)**Subj/Topic:** History **Grades:**10-12
Description: Student explores the effects of growth on world population, pollution, food supply, indust'l output & nat resrcs.
Syst(s): Atari PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Compuware $24.95 [pk45,3p]**

REVOLUTIONARY WAR QUIZ (Educ'l game)
27)**Subj/Topic:** History **Grades:**10-12
Description: Two players compete on trying to answer questions on the Revolutionary War; user can change questions.
Syst(s): Apple PET TRS-80 TRSCol
Lang/Min Hdwre: BASIC; 8KPET/16KAp,TRS+t
Sce: Micro Learningware $7.95
Rev's: CRC V1#1(-)

SOCIAL SCIENCE: Political Science

HAT IN THE RING-PRES ELECT (Educ'l game)
28)**Subj/Topic:** Political Scien **Grades:**6-12
Description: Two presidential-candidate players take turns allocating resources in a campaign; acquaints with politics.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Micro-Ed $9.95

POLICY (Simulation)
29)**Subj/Topic:** Political Scien **Grades:**7-12
Description: Students organize to support or oppose governmental policies. Computer used to register votes.
Syst(s): PET
Lang/Min Hdwre: BASIC; 8K + tape
Sce: N.C.C.C.D. $5

ANNAM-STUDY DEVEL COUNTRY (Simulation)
30)**Subj/Topic:** Political Scien **Grades:**7-12
Description: Using this program promotes an understanding of contemporary world affairs; also available on disk.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Educat'l Activit's $49

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

SOCIAL SCIENCE: Political Scien (CONT)

%ELECT3 - CAMPAIGN/ELECTION (Simulation)
1)**Subj/Topic:** Political Scien **Grades:**8-12
Description: Simulates behavior of the U.S. electorate; teams role-play a campaign & election; a Huntington II program.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk10,6p]**

%ELECT1,2 - PAST ELECTIONS (Simulation)
2)**Subj/Topic:** Political Scien **Grades:**8-12
Description: The student explores campaign strategies in 14 American presidential elections; a Huntington II program.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk10,6p]**

†PRESIDENT ELECT (Educ'l game)
3)**Subj/Topic:** Political Scien **Grades:**9-14
Description: Game duplicates every factor of the campaign proces using historical or contrived candidates; backup $10.
Syst(s): Apple
Lang/Min Hdwre: BASIC; 48K+ disk
Sce: Strategic Simul'ns $39.95
Rev's: ET 1/82(+); CRC V1#1(+); JCMST(+)

U.S. GOVERNMENT (Tutorial)
4)**Subj/Topic:** Political Scien **Grades:**9-12
Description: A survey course on U.S. government from the Constitution to international affairs;req's Educ'l Mast Cart@$30.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Atari Inc. $29.95

%POLSYS- POLITICAL PROCESS (Simulation)
5)**Subj/Topic:** Political Scien **Grades:**9-12
Description: Students assume several different roles in this simulation of municipal political processes.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk10,6p]**

ELECTORAL COLLEGE (Simulation)
6)**Subj/Topic:** Political Scien **Grades:**9-12
Description: Projects the outcome of presidential elections by comparing current and past data.
Syst(s): Apple PET TRS-80
Lang/Min Hdwre: BASIC; 8K PET; 16KAp/TRS
Sce: Krell Software $24.95

PRIMARY FIGHT (Educ'l game)
7)**Subj/Topic:** Political Scien **Grades:**9-12
Description: Up to 6 players compete for nomination of their party; results depend on campaign strategy & mathematical skill.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Krell Software $29.95 [pk93,5p]**

%TIGHTROPE POLITICS (Simulation)
8)**Subj/Topic:** Political Scien **Grades:**9-12
Description: Simul of political decision-making; shows difficulty of taking precise stands on controvers issues in elect'n yr.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K+ModI/III+tape
Sce: Basics & Beyond $14.95 [pk119,3p]**
Rev's: SMW W83(0)

HAIL TO THE CHIEF (Simulation)
9)**Subj/Topic:** Political Scien **Grades:**10-12
Description: User campaigns for Presidency, making weekly decisions on publicity, issues, & fund raising;4 models,10 levels.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: Compuware $24.95
Rev's: SMW W82(+)

SOCIAL SCIENCE: Sociology

SOCIOLOGY (Tutorial)
10)**Subj/Topic:** Sociology **Grades:**10-12
Description: A survey course on sociology from culture & society to urbanization; req's Educ'l Syst Master Cartr'dg @ $30.
Syst(s): Atari
Lang/Min Hdwre: BASIC; 8K + tape
Sce: Atari Inc. $29.95
Rev's: CC 9/80

USPOP (Simulation)
11)**Subj/Topic:** Sociology **Grades:**10-12
Description: Student investigates various aspects of population change, including growth, age & sex distribution.
Syst(s): Atari PET TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Compuware $24.95 [pk45,3p]**

%MASPAR- MASS PARTICIPATION (Simulation)
12)**Subj/Topic:** Sociology **Grades:**11-12
Description: Studies the relationship between social status, organization involvement & political participation.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K ModI/III+tape
Sce: Project LOCAL Soft $17.95 [pk10,6p]**

SPECIAL EDUCATION

SIGMA-EX (Educ'l game)
13)**Subj/Topic:** General **Grades:** K-5
Description: Addition drill for random one-digit problems based on a hockey game format for the slow learner.
Syst(s): TRS-80
Lang/Min Hdwre: BASIC; 16K + tape
Sce: Mercer Systems $5.95

PIAT ERROR ANALYSIS (Teacher aid)
14)**Subj/Topic:** General **Grades:**1-12
Description: Printout of interpretations & list of goals & objectives for remediation.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: So Micr Sys for Ed $395

WISC-R COMPUTER (Teacher aid)
15)**Subj/Topic:** General **Grades:**1-12
Description: Will provide interpretations & recommendations based on sub-test scores & achievement.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: So Micr Sys for Ed $495

UNISTAR 1 (Teacher aid)
16)**Subj/Topic:** General **Grades:**1-12
Description: Pre-IEP for elem. learning disabilities; provides a list of goals & objectives for individual; has printout.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K + disk
Sce: So Micr Sys for Ed $650

THE SPELLING PROGRAM (Skills pract)
17)**Subj/Topic:** General **Grades:**1-12
Description: Includes 5 basic spelling rules, tutorials, drill & additional language skills; Apple version: $230.00.
Syst(s): Apple PET
Lang/Min Hdwre: BASIC; App48K+dsk; P8K+t
Sce: Sled Software $199

EMH - PRE-IEP (Teacher aid)
18)**Subj/Topic:** General **Grades:**1-12
Description: Printout of goals & objectives including survival skills & vocational objectives.
Syst(s): Apple TRS-80
Lang/Min Hdwre: BASIC; 48K+disk
Sce: So Micr Sys for Ed $650

II-2 SUMMARY LISTINGS BY HARDWARE SYSTEM

Separate listings are provided here for Apple II; Atari 400/-800; Commodore PET/CBM, VIC-20, and 64; Radio Shack TRS-80 Models I/III and Color Computer; and the CP/M operating system. These listings are intended for use by readers interested in software for a specific system(s). Entries are sequenced by school department, subject (and in some cases topic), and lowest applicable grade level.

Each piece of software is described here in a one-line entry. An entry contains name, grade level range, application type, and the number of the page where a full product description appears.

For example, consider the third entry in the listings on the next page. It refers to a product called TESTING PROGRAM/ACOUNTING which is applicable to Accounting/Bookkeeping courses in the Business department. It is a skills practice program and is recommended for grades 9 through 12. The dagger to the left of the name indicates that this is the first time that this product has appeared in SMW DIRECTORY. The number (4-04) indicates that the full description of the product appears on page 4 and is the 4th entry on that page.

In order to locate the complete description of a piece of software found here, simply find the page number given at the far right side of the product listing and refer to that page in Subsection II-1. The descriptions in II-1 give a short description, minimum hardware and system software requirements, distribution media, supplier name, price, any special information regarding packaging, and references to reviews where available.

† This is a new entry in THE SOFTWARE FINDER. % TSF Discount Coupon gets 10% off on this product. ** See Intro. and Sect. II-3.

APPLE II SOFTWARE

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
	BUSINESS: Accountg/Bookg			
9	BUSINESS VOL 3- ACCOUNTING	9 - 12	Computl tool	4-02
	MICROCOMPUTR APPL'NS/ACCTG	9 - 12	Tutorial	4-03
	TESTING PROGRAM/ACCOUNTING	9 - 12	Skills pract	4-04
10	GENERAL LEDGER	10 - 12	Skills pract	4-07
11	BUSINESS VOL 2 - PAYROLL	11 - 12	Simulation	4-10
	BUSINESS: Business Math			
9	TAXING!	9 - 12	Tutorial	4-13
	RULE OF 78	9 - 12	Concept demo	4-14
	BUSINESS: Business Princs			
	DECISION-MAKING SIMULAT'NS	9 - 12	Simulation	4-21
	PROFIT AND LOSS	9 - 12	Simulation	4-22
	THE ENTERPRISE SANDWICH	9 - 14	Simulation	4-23
	†CARTELS & CUTTHROATS	9 - 14	Educ'l game	4-24
	BUSINESS: Data Processing			
	BUSINESS V3 (ACCTG SYSTEM)	9 - 12	Computl tool	4-25
	NEVADA COBOL	9 - 12	Lang proces'r	4-26
	†BUSINESS APPLICATIONS	9 - 12	Concept demo	4-27
	†THE USES OF A DATABASE	9 - 12	Concept demo	4-28
10	COBOL-80	10 - 12	Lang proces'r	5-01
	†BUSINESS FORECASTING	10 - 12	Concept demo	5-02
	BUSINESS: Typing			
1	TYPING	1 - 12	Rote drill	5-06
3	†KEYBOARD	3 - 10	Skills pract	5-08
4	TYPING TUTOR	4 - 12	Skills pract	5-09
	TYPING	4 - 12	Tutorial	5-10
	MICROTYPING	4 - 12	Tutorial	5-11
	TYPING TEACHER	4 - 12	Rote drill	5-12
	TYPEMASTER	4 - 12	Author lang	5-13
	MASTERTYPE	4 - 12	Educ'l game	5-14
5	†TYPE ATTACK	5 - 12	Educ'l game	5-19
6	MICROTYPING	6 - 12	Rote drill	5-20
7	GREGG KEYBOARDING	7 - 12	Tutorial	5-22
	†TYPING STRATEGY	7 - 12	Tutorial	5-24
	†LETTER MAN	7 - 12	Educ'l game	5-25
	BUSINESS: Busin's English			
	WRITING COMPETENCY PROGRAM	7 - 12	Tutorial	6-03
	CAREER EDUCATION			
6	JOB READINESS-ASSESS/DEVEL	6 - 12	Tutorial	6-04
9	TRUCKER	9 - 12	Educ'l game	6-05
	AIR TRAFFIC CONTROLLER	9 - 12	Educ'l game	6-06
	†NEW ON THE JOB	9 - 14	Tutorial	6-07
	†INTERVIEWING	9 - 14	Tutorial	6-08
	†SELF CONCEPT AND YOUR WORK	9 - 14	Tutorial	6-09
	†PART-TIME JOBS	9 - 14	Tutorial	6-10
	†HOW TO GET AND HOLD A JOB	9 - 14	Tutorial	6-11
	†THE JOB AND YOU	9 - 14	Tutorial	6-12
10	COIN: THE CAREER SEARCH	10 - 12	Data retr'val	6-14
	COIN: THE COLLEGE SEARCH	10 - 12	Data retr'val	6-15
	SOONER- FINANCIAL AID SRCH	10 - 12	Data retr'val	6-16
	COMPREHENSIVE			
1	APPLE DEMONSTRATION DISK	1 - 12	Multi types	6-17
5	†GOLDEN DELICIOUS GAMES	5 - 12	Concept demo	6-19
9	†AUDIO VISUAL EQUIPMENT	9 - 16	Tutorial	6-20
13	†THE MICRO AS TEACHING TOOL	13 - 16	Concept demo	6-21
	COMPREHENSIVE: Basic Skills			
K	PRESCHOOL FUN	K - 2	Tutorial	6-23
	†TEACHER'S PET	K - 2	Skills pract	6-25
	†HODGE PODGE	K - 2	Skills pract	7-01
	†EARLY ELEMENTARY II	K - 2	Skills pract	7-02
1	CONCENTRATION	1 - 12	Educ'l game	7-03
	MEMORY BUILDER: CONCENTR'N	1 - 6	Educ'l game	7-04
	INDIVIDUAL STUDY CENTER	1 - 12	Skills pract	7-05
2	†FOLLOWING DIRECTIONS	2 - 5	Educ'l game	7-08
3	†SNOOPER TROOPS-G.P. GHOST	3 - 14	Educ'l game	7-09
	†SNOOPER TROOPS-D. DOLPHIN	3 - 14	Educ'l game	7-10
	†SCHOOLHOUSE I	3 - 8	Skills pract	7-11
4	APPLE DIALOG	4 - 7	Tutorial	7-12
5	MIND-STEP 1	5 - 12	Tutorial	7-13
6	MIND STEP 2	6 - 12	Tutorial	7-14
	COMPREHENSIVE: Statistics			
1	STATISTICS WITH DAISY	1 - 12	Computl tool	7-15
7	STATISTICS	7 - 12	Computl tool	7-17
	COMPREHENSIVE: Author Lang's			
1	THE AUTHORING SOFTWARE	1 - 12	Author lang	7-20
	SHELL GAMES	1 - 12	Author lang	7-22
	EXPRESS TRAINER	1 - 12	Author lang	7-23
	APPILOT II EDU-DISK	1 - 12	Author lang	7-24
	WATCAN	1 - 12	Author lang	7-25
	VOICE-BASED LEARNING SYST	1 - 12	Author lang	7-26
	EUREKA (TM) LEARNING SYST	1 - 12	Author lang	7-27
	ZENITH EDUCATION SYSTEMS	1 - 12	Author lang	7-28
	THE INSTRUCTOR 3.0	1 - 12	Author lang	7-29
	THE TUTORING SOFTWARE	1 - 12	Tutorial	8-01
	THE LEARNING SYSTEM	1 - 12	Author lang	8-02
	CAVRI V INTERACTIVE VIDEO	1 - 12	Author lang	8-03
	THE PROFESSOR	1 - 12	Author lang	8-04
	E-Z PILOT	1 - 12	Lang proces'r	8-05
	C-BITS III	1 - 12	Author lang	8-06
	AIDS	1 - 12	Author lang	8-10
	CREATE YOUR OWN-ELEMENTARY	1 - 12	Author lang	8-11
	CREATE YOUR OWN-INTERMED	1 - 12	Author lang	8-12
	CREATE- FILL IN THE BLANKS	1 - 12	Author lang	8-13
	GENIS I	1 - 12	Author lang	8-14
	GROW	1 - 12	Author lang	8-15
	BLOCKS AUTHORING SYSTEM	1 - 12	Author lang	8-16
	GHOSTWRITER	1 - 12	Teacher aid	8-18
	†VBLS AUTHORING SYSTEM	1 - 12	Author lang	8-20
2	TIC TAC SHOW	2 - 12	Educ'l game	8-21
	†ELECTRIC LECTURN	2 - 12	Author lang	8-23
6	†MENTOR MASTER	6 - 16	Author lang	8-31
7	TEACHER'S TOOLKIT	7 - 14	Author lang	9-01
	COMPREHENSIVE: Aptit Test Prep			
	ANALOGIES	7 - 12	Tutorial	9-02
	†SAT VERBAL SKILLS-ETYMO'GY	7 - 12	Tutorial	9-03
	†SAT VERBL SKLS-WRD CATEG'S	7 - 12	Tutorial	9-04
	†SAT VERBAL SKLS-WRD RELAT	7 - 12	Tutorial	9-05
	†SAT VERBAL SKILLS-SYNONYMS	7 - 12	Tutorial	9-06
	†SAT VERBAL SKILLS-ANTONYMS	7 - 12	Tutorial	9-07
	†SAT VERBAL SKILLS-DEFINTNS	7 - 12	Tutorial	9-08
9	VOCABULARY BUILDER	9 - 14	Skills pract	9-09
	WORD ANALOGY	9 - 14	Skills pract	9-10
	SENTENCE COMPLETION	9 - 14	Skills pract	9-11
	VOCABULARY BASEBALL GAME	9 - 12	Educ'l game	9-12
	MATH I	9 - 14	Skills pract	9-13
	SAT WORD ATTACK SKILLS	9 - 12	Skills pract	9-14
	PSAT WORD ATTACK SKILLS	9 - 12	Skills pract	9-15
10	MATH II	10 - 14	Skills pract	9-19
	VERBAL STRATEGIES/MATH-SAT	10 - 12	Tutorial	9-20
	COLL ENTR EXAM PREP-VERBAL	10 - 12	Tutorial	9-21
	SAT ENGLISH I	10 - 12	Skills pract	9-22
	COMPETENCY EXAM PREPARAT'N	10 - 12	Tutorial	9-23
	ENGLISH ACHIEVEMENT I-V	10 - 12	Rote drill	9-24
	Multiple Topics			
	COLLEGE BOARD 81/82 PREP'N	10 - 12	Skills pract	9-29
	COMPREHENSIVE: Comput'l Tools			
4	†THE BANK STREET WRITER	4 - 12	Word proces'r	10-01
	†EASY TEXT	4 - 14	Text proces'r	10-02
	†MATHE MAGIC	4 - 14	Computl tool	10-03
6	DATA PLOT	6 - 12	Computl tool	10-04
7	†GRAPH MAGIC	7 - 14	Computl tool	10-05
	†MEASUREMENT CONVERSION	7 - 12	Computl tool	10-06

† This is a new entry in THE SOFTWARE FINDER.

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
	COMPREHENSIVE: Comput'l Tools (CONT)			
10	†INTROSTAT 2.2	10 - 11	Computl tool	10-07
	COMPREHENSIVE: Class Mgt Aids			
K	SANTA CLARA CMS	K - 3	Teacher aid	10-08
	CMS - NUMBERS & OPERATIONS	K - 6	Teacher aid	10-09
	GRADE BOOK	K - 12	Teacher aid	10-11
	PARENT REPORTING	K - 8	Teacher aid	10-12
	†SYLLABUS WRITER	K - 16	Teacher aid	10-13
1	ANALYSIS I & II	1 - 12	Teacher aid	10-14
	TEACHER'S AID	1 - 12	Teacher aid	10-15
	COMP MGT SYST FOR READING	1 - 6	Teacher aid	10-17
	SIMULATION AIDE (TM)	1 - 12	Concept demo	10-19
	DECISION AIDE (TM)	1 - 12	Computl tool	10-21
	TEAM AIDE (TM)	1 - 12	Educ'l game	10-23
	CLASS AIDE (TM)	1 - 12	Teacher aid	10-24
	READING LEVEL ANALYSIS-DSK	1 - 12	Teacher aid	10-25
	THE REPORTING SOFTWARE	1 - 12	Teacher aid	10-26
	GRADE REPORTER	1 - 12	Teacher aid	10-28
	QUIZSTAT	1 - 12	Teacher aid	11-01
	READING LEVEL	1 - 12	Teacher aid	11-02
	GRADER	1 - 12	Teacher aid	11-03
	APPLE GRADEBOOK	1 - 12	Teacher aid	11-04
	TEACHER UTILITIES-VOLUME I	1 - 12	Teacher aid	11-05
	GRADE AVERAGES	1 - 12	Teacher aid	11-06
	READABILITY INDEX	1 - 12	Teacher aid	11-07
	SCORE: ACADEMIC ASSISTANT	1 - 17	Teacher aid	11-11
	INSTRUCTOR GRADEBOOK	1 - 14	Teacher aid	11-12
	APPLE GRADE BOOK	1 - 12	Teacher aid	11-13
	MMICRO	1 - 9	Teacher aid	11-14
	CURRICULUM MANAGER	1 - 12	Teacher aid	11-15
	CACTUS GRADE BOOK	1 - 14	Teacher aid	11-18
	THE CLASSROOM MONITOR	1 - 12	Teacher aid	11-19
	†GRADEBOOK	1 - 12	Teacher aid	11-20
	†GRADEBOOK	1 - 12	Teacher aid	11-21
	†MASTER GRADES PROGRAM	1 - 12	Teacher aid	11-22
	†DIAGNOSTIC PRESCRIPT SYSTM	1 - 10	Teacher aid	11-23
	†HOFFMAN XL CENTERS	1 - 8	Teacher aid	11-24
	†COMPUFILE	1 - 12	Teacher aid	11-25
	†GRADEBOOK	1 - 12	Teacher aid	12-01
	COMPREHENSIVE: Drill/Test Gens			
K	MICRO TEST ADMIN SYSTEM	K - 12	Test genrat	12-03
1	THE LEARNING BOX	1 - 12	Rote drill	12-05
	QUESLO - QUESGEN	1 - 12	Teacher aid	12-06
	ALPHABETIZE	1 - 12	Skills pract	12-07
	TEST AIDE (TM)	1 - 12	Test genrat	12-08
	TESTRITE	1 - 12	Test genrat	12-09
	SCRAMBLE	1 - 12	Skills pract	12-10
	SPELL 'N TIME	1 - 12	Rote drill	12-11
	C-BITS I, II, IV	1 - 12	Test genrat	12-12
	MATCH GAME	1 - 12	Educ'l game	12-14
	CREATE YOUR OWN-VOCABULARY	1 - 12	Rote drill	12-16
	STUDY QUIZ FILES	1 - 12	Rote drill	12-17
	MULTIPLE CHOICE FILES	1 - 12	Test genrat	12-18
	CROSSWORD MAGIC	1 - 12	Skills pract	12-20
	THE PUZZLER	1 - 12	Skills pract	12-21
	QUEST/ANS&VOCAB FACILITIES	1 - 12	Rote drill	12-22
	†SPIDE ATTACK	1 - 8	Educ'l game	12-24
	†SCRAMBLE	1 - 6	Skills pract	12-25
2	WORDSEARCH	2 - 8	Skills pract	12-29
	†VOCABULARY DEVELOPMENT	2 - 14	Rote drill	13-01
	†MICROTEST	2 - 3	Test genrat	13-03
3	OMNITEST	3 - 12	Rote drill	13-05
	†TEST WRITER	3 - 16	Teacher aid	13-09
	†TEST PRESS	3 - 12	Test genrat	13-10
	†TEST CRAFTOR	3 - 12	Test genrat	13-11
	†TESTING SERIES-COMPLETION	3 - 12	Test genrat	13-12
	†TEST SERIES-MATCHING TESTS	3 - 12	Test genrat	13-13
	†TEST SERIES - TRUE/FALSE	3 - 12	Test genrat	13-14
	†TEST SERIES-MULT'PL CHOICE	3 - 12	Test genrat	13-15
	†TEST SER-SPEL'NG PRT SP'CH	3 - 12	Test genrat	13-16
4	THE ADAPTABLE SKELETON	4 - 12	Rote drill	13-17
	†WORD ATTACK	4 - 12	Educ'l game	13-19
6	†MENTOR MASTER GAME SHOW	6 - 13	Educ'l game	13-21

COMPUTER SCIENCE: Computer Prog'g

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
K	CYBER LOGO	K - 8	Lang proces'r	13-26
	M.I.T. LOGO/TUTOR/EXAMPLES	K - 12	Lang proces'r	13-27
	M.I.T. LOGO	K - 12	Lang proces'r	13-28
4	E-Z PILOT	4 - 12	Lang proces'r	14-04
	APPILOT II EDU-DISK	4 - 12	Lang proces'r	14-07
5	BASIC TUTOR1-SYST COMMANDS	5 - 12	Tutorial	14-09
6	†BASIC TUTOR VIII ADV'CD TP	6 - 12	Tutorial	14-10
	†BASIC TUT IX PROGM'NG AIDS	6 - 12	Tutorial	14-11
	ROBOTWAR	6 - 12	Multi types	14-12
	HOW TO PROGRAM IN BASIC	6 - 14	Tutorial	14-14
7	†APPLE BASIC-DATA FILES	7 - 12	Concept demo	14-15
	†HOW TO PROG'M IN APPLESOFT	7 - 13	Tutorial	14-17
	†PROG'RS WORKSHOP-APPLESOFT	7 - 13	Tutorial	14-18
	†BASIC VARIABLES	7 - 14	Tutorial	14-19
	MECC PASCAL VOLUME 1	7 - 12	Concept demo	14-21
	PERSONAL PEARL	7 - 12	Lang proces'r	14-22
	BASIC/ADVANCED BASIC/OPSYS	7 - 12	Tutorial	14-23
	THE PROGRAMMABLE CUBE	7 - 12	Lang proces'r	14-24
	PROGRAMMER	7 - 12	Tutorial	14-25
	DISCOVERING BASIC (TM)	7 - 12	Tutorial	14-26
	PROGRAMMER PLUS	7 - 12	Tutorial	14-27
	TURTLE	7 - 12	Tutorial	14-28
	BASIC TUTOR3-GRAPHIC COMDS	7 - 12	Tutorial	14-29
	BASIC TUTOR4-MUSIC/SOUNDS	7 - 12	Tutorial	14-30
	BASIC TUTOR 5 - TEXT FILES	7 - 12	Tutorial	14-31
	BASIC TUTR6-SHAPES/PICTURS	7 - 12	Tutorial	15-01
	BASIC TUTOR7-STUDY SAMPLES	7 - 12	Tutorial	15-02
	BASIC TUTR2-PROG'G COM'NDS	7 - 12	Tutorial	15-03
	PROGRAM'G IN INTEGER BASIC	7 - 12	Tutorial	15-05
	FLOATING POINT DICTIONARY	7 - 12	Data retr'val	15-07
	THE TEACHER PLUS	7 - 12	Tutorial	15-08
	THE BASIC TEACHING PAC	7 - 12	Tutorial	15-09
	THE BASIC TEACHER	7 - 12	Tutorial	15-10
8	†GRAFORTH	8 - 16	Lang proces'r	15-11
	DISCOVER BASIC	8 - 12	Concept demo	15-13
	STEP BY STEP	8 - 12	Tutorial	15-14
	THE KAREL SIMULATOR	8 - 12	Lang proces'r	15-22
9	†ADV'C BASIC SELF INSTR CSE	9 - 16	Tutorial	16-01
	†BASIC SELF INSTRUCT'N CSE	9 - 16	Tutorial	16-02
	†THE GRAPHIC PROGRAMMER	9 - 14	Tutorial	16-03
	COMPUTER POWER COURSEWARE	9 - 12	Multi types	16-04
	INTERPAS	9 - 12	Lang proces'r	16-05
	STEP BY STEP 2	9 - 12	Tutorial	16-07
	STEP BY STEP 3	9 - 12	Tutorial	16-08
	MACHINE LANG STEP BY STEP	9 - 12	Tutorial	16-09
	NEVADA COBOL	9 - 12	Lang proces'r	16-10
	SUPER APPLE BASIC	9 - 12	Lang proces'r	16-11
	MICRO-DYNAMO	9 - 12	Lang proces'r	16-12
	COMP SCI/LITERACY: Computer Science			
4	MICRO DISCOVERY	4 - 8	Tutorial	16-13
7	†COMPUTER MATH PARTS 1 & 2	7 - 12	Tutorial	16-15
	†COMPUTER MATH PARTS 3 & 4	7 - 12	Tutorial	16-16
	†COMPUTER MATH PARTS 5 & 6	7 - 12	Tutorial	16-17
	†COMP'R MATH PART 7 & TEST	7 - 12	Skills pract	16-18
	SIMULATED COMPUTER	7 - 12	Simulation	16-19
	COMP SCI/LITERACY: Comput Literacy			
3	INTRO TO MICROCOMPUTERS	3 - 9	Tutorial	16-21
4	†INTRO TO COMPUTER MODULE I	4 - 8	Concept demo	16-22
	†COMPUTER AS A CALCULATOR	4 - 10	Concept demo	16-23
	†THE PRINTER-COMPU LIT III	4 - 10	Concept demo	16-24
	†GRAPHICS-COMPU LIT MOD IV	4 - 12	Concept demo	17-01
5	†UNDERSTANDING COMPUTERS	5 - 12	Tutorial	17-02
6	KNOW YOUR APPLE (TM)	6 - 12	Tutorial	17-03
	COMPUTER DISCOVERY	6 - 12	Tutorial	17-04
7	THE ELECTRONIC TOOL	7 - 12	Tutorial	17-05
9	†SIMULATIONS-COMPU LIT	9 - 12	Concept demo	17-07
	†STATISTICS - COMPU LIT	9 - 12	Concept demo	17-08

DRIVER EDUCATION

10	†DRIVER 1	10 - 14	Rote drill	17-17

† This is a new entry in THE SOFTWARE FINDER.

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
	DRIVER EDUCATION: General (CONT)			
	†DRIVER 2	10 - 14	Rote drill	17-18

ENGLISH: Basic Skills

Multiple Topics

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
K	SPELL'G BEE W/ READ PRIMER	K - 2	Rote drill	17-20
4	†ENGLISH BASICS- CONCEPTS	4 - 6	Tutorial	18-07
	†ENGLISH OLYMPICS	4 - 9	Educ'l game	18-08
6	MECHANICS OF ENGLISH BLS93	6 - 9	Tutorial	18-11
7	CROSS CLUES (TM)	7 - 12	Educ'l game	18-13
	†FINDING THE REASONS III&IV	7 - 12	Tutorial	18-19

Grammar

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
1	USAGE BONERS	1 - 8	Skills pract	18-23
	†RECOGNIZING NOUNS	1 - 3	Tutorial	18-25
	†RECOGNIZING FULL SENTENCES	1 - 3	Tutorial	18-26
	†RECOGNIZING VERBS	1 - 3	Tutorial	18-27
2	VERB USAGE 1,2,3	2 - 6	Tutorial	18-29
	PERSON, PLACE, THING	2 - 5	Skills pract	18-31
	NOUN RECOGNITION	2 - 8	Skills pract	19-01
3	GRAMMAR PROBLEMS: HOMONYMS	3 - 9	Skills pract	19-03
	GRAMMAR PROBLEMS: VERBS	3 - 9	Skills pract	19-04
	GRAMMAR PROBLEMS: PRONOUNS	3 - 9	Skills pract	19-05
	PAST TENSE/PRESENT TENSE	3 - 12	Skills pract	19-06
	MASTERING PARTS OF SPEECH	3 - 8	Educ'l game	19-08
	DRAGON GAMES	3 - 6	Educ'l game	19-09
	CRAZY SENTENCES	3 - 8	Educ'l game	19-12
	NOUNS/PRONOUNS	3 - 8	Skills pract	19-13
	VERBS	3 - 8	Skills pract	19-14
	BASIC LANGUAGE SKILLS	3 - 6	Tutorial	19-16
	ADJECTIVE RECOGNITION	3 - 8	Skills pract	19-18
	ADVERB RECOGNITION	3 - 8	Skills pract	19-19
	PRONOUN RECOGNITION	3 - 8	Skills pract	19-20
	†LIMERICK	3 - 8	Concept demo	19-22
4	SENTENCES	4 - 10	Tutorial	19-23
	STORY BUILDER/WORD MASTER	4 - 7	Skills pract	19-26
	VERBS	4 - 9	Skills pract	19-31
	NOUNS	4 - 9	Skills pract	20-01
	ADJECTIVES	4 - 9	Skills pract	20-02
	ADVERBS	4 - 9	Skills pract	20-03
	PRONOUNS	4 - 9	Skills pract	20-04
	†ENG BASICS PARTS OF SPEECH	4 - 6	Tutorial	20-05
	TENNIS ANYONE, PLURALS	4 - 12	Educ'l game	20-06
	†GRAMMAR AND WRITING	4 - 12	Tutorial	20-07
	†BAS ENG SKILLS/PRTS SPEECH	4 - 12	Tutorial	20-09
	VERB RECOGNITION	4 - 8	Skills pract	20-10
	†CLASSES OF NOUNS	4 - 10	Tutorial	20-11
5	†POSSESSIVE CASE	5 - 10	Skills pract	20-18
	†VERB TENSES	5 - 10	Tutorial	20-19
	†PREPOSITIONS & CONJUNCT'NS	5 - 10	Skills pract	20-20
	†NOUNS	5 - 10	Skills pract	20-21
	†PRONOUNS	5 - 10	Skills pract	20-22
	†PHRASES AND CLAUSES	5 - 10	Skills pract	20-23
	†WORD CHOICE	5 - 10	Skills pract	20-24
	†ADJECTIVES	5 - 10	Skills pract	20-25
	†VERB AND ADVERBS	5 - 10	Tutorial	20-26
6	†PHRASES AND CLAUSES	6 - 10	Skills pract	20-28
7	†USAGE	7 - 12	Tutorial	20-30
	†GLOSSARY OF USAGE	7 - 12	Tutorial	20-31
	SENTENCE DIAGRAMMING	7 - 12	Skills pract	21-02
	SENTENCE STRUCTURE ERRORS	7 - 12	Skills pract	21-03
	IMPROVING WRITING STYLE	7 - 12	Tutorial	21-04
	†PUTT'G GRAM'R TO WORK I-II	7 - 12	Tutorial	21-05
10	SENTENCE COMPLETION	10 - 12	Skills pract	21-06

Punctuation

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
1	FUND'L PUNCTUAT'N PRACTICE	1 - 8	Skills pract	21-07
2	PUNCTUATION SERIES	2 - 6	Skills pract	21-09
	†COMMA	2 - 12	Skills pract	21-11
3	PUNCTUATION I	3 - 6	Tutorial	21-13
	PUNCTUATION II	3 - 8	Tutorial	21-14
5	TANK TACKTICS CONTRACTIONS	5 - 12	Educ'l game	21-21
6	COMMAS	6 - 8	Tutorial	21-24
	END MARKS,SEMICOLON,COLON	6 - 8	Tutorial	21-25
8	COMMAS	8 - 12	Tutorial	21-26

Reading

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
K	†CARIS-COMPU ANIMATED READG	K - 3	Tutorial	21-27
	†EARLY THINGS	K - 2	Skills pract	21-28
	†EARLY COLORS	K - 1	Skills pract	21-29
	†EARLY NUMBERS	K - 1	Skills pract	21-30
	†EARLY LETTERS	K - 2	Skills pract	22-01
	†ALPHABETTA DICTIONARY	K - 5	Skills pract	22-02
	†ALPHABETTA WORDS	K - 6	Skills pract	22-03
	†ADJACENT LETTERS PART II	K - 5	Skills pract	22-04
	†ADJACENT LETTERS PART I	K - 5	Skills pract	22-05
	†ABC GAME	K - 1	Educ'l game	22-06
	†ABC TALK	K - 1	Skills pract	22-07
	†ABC FIND	K - 1	Skills pract	22-08
	†MICRO MOTHER GOOSE	K - 3	Educ'l game	22-09
	†WORD ORDER	K - 6	Educ'l game	22-14
	†KEYBOARD	K - 9	Educ'l game	22-15
	†KEYGAME	K - 6	Educ'l game	22-16
	†ALPHABET SQUARES	K - 2	Rote drill	22-17
	STORY MIX - PROGRAM 1	K - 3	Skills pract	22-22
	ALPHAKEY	K - 1	Skills pract	22-23
	KEYS	K - 3	Educ'l game	22-25
	WORD-A-TACH	K - 4	Rote drill	22-29
	WORKING WITH THE ALPHABET	K - 3	Tutorial	22-31
	WORDMATCH	K - 2	Educ'l game	23-01
	LANG. ARTS-ALPHABETIZING	K - 8	Skills pract	23-02
	SEQUENCE & ALPHABETIZING	K - 6	Skills pract	23-03
	THE READING MACHINE	K - 3	Skills pract	23-04
	JUGGLES' RAINBOW	K - 1	Educ'l game	23-05
	COLOR GUESS	K - 2	Tutorial	23-10
	WRITE IT IN COLOR	K - 0	Tutorial	23-11
	ALPHABET	K - 2	Rote drill	23-12
	LETTER RECOGNITION	K - 2	Rote drill	23-15
	†FIND THE NUMBER	K - 1	Rote drill	23-28
	†ALPHA LETTER DROP	K - 2	Skills pract	23-30
	†MATCH IT	K - 2	Rote drill	24-01
	†CUSTOMIZED ALPHABET DRILL	K - 2	Skills pract	24-02
	†ALPHABET,SEQUENCE&ALPHAB'G	K - 2	Skills pract	24-03
	†ABC SONG	K - 1		24-05
1	†LEARN TO UND'STND TITLE PG	1 - 6	Tutorial	24-06
	†WORD DIVISION	1 - 4	Educ'l game	24-07
	READING COMPREHENS'N A-B-C	1 - 3	Tutorial	24-11
	REVERSE	1 - 12	Educ'l game	24-12
	VOWELS TUTORIAL	1 - 3	Tutorial	24-15
	OPPOSITES	1 - 10	Rote drill	24-16
	PHONET	1 - 6	Skills pract	24-17
	READ'G READINESS: VIS DISC	1 - 6	Rote drill	24-18
	SPATIAL RELATIONSHIPS	1 - 6	Skills pract	24-19
	WORD SCRAMBLE	1 - 4	Skills pract	24-23
	VOWELS	1 - 3	Rote drill	24-24
	CONSONANTS	1 - 3	Skills pract	24-25
	INSTRUCT'L READ'G- VISUAL	1 - 12	Rote drill	24-29
	PHONICS & WORD ATTACK	1 - 4	Skills pract	24-31
	TUTORIAL COMPREHENSION	1 - 6	Skills pract	25-01
	FUNDAMENTAL WORD FOCUS	1 - 6	Skills pract	25-02
	HILS2 READING MGT PROGRAM	1 - 6	Teacher aid	25-03
	†FUND'L PHONICS&WORD ATTACK	1 - 4	Skills pract	25-06
2	†HOMONYMS I	2 - 3	Tutorial	25-15
	†HOMONYMS II	2 - 3	Tutorial	25-16
	†LEARN TO USE TABL OF CONTS	2 - 6	Tutorial	25-17
	†DICTIONARY SKILLS	2 - 6	Tutorial	25-18
	†LEARN TO UNDSTN COPYRT NOT	2 - 6	Tutorial	25-19
	†GETTING THE MAIN IDEA	2 - 5	Educ'l game	25-20
	†DRAWING CONCLUSIONS	2 - 5	Educ'l game	25-21
	†FACT OR OPINION	2 - 5	Educ'l game	25-22
	†READING FOR DETAIL	2 - 5	Educ'l game	25-23
	†CAUSE & EFFECT	2 - 5	Educ'l game	25-24
	†INFERENCE	2 - 5	Educ'l game	25-25
	†ALPHABETIZING	2 - 5	Educ'l game	25-26
	†READING BETWEEN THE LINES	2 - 5	Educ'l game	25-27
	†PREDICTING OUTCOMES	2 - 5	Educ'l game	25-28
	CRITICAL READING	2 - 10	Tutorial	25-30
	REMEMBER'G NUMBERS/LETTERS	2 - 8	Rote drill	25-31
	WORD BLASTER	2 - 6	Skills pract	26-01
	QUESTIONS & STORY	2 - 8	Educ'l game	26-02
	WHO, WHAT, WHERE, WHEN,WHY	2 - 4	Skills pract	26-03
	ACTIVE READER-WORLD/NATURE	2 - 5	Skills pract	26-08

† This is a new entry in THE SOFTWARE FINDER.

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
ENGLISH: Reading (CONT)				
	†TUTORIAL COMPREHENSION	2 - 6	Tutorial	26-11
	†FOTO-FLASH	2 - 16	Rote drill	26-13
	†SYLLABLES	2 - 16	Skills pract	26-14
3	†HOMONYMS	3 - 6	Educ'l game	26-15
	READING COMPREHENSION	3 - 9	Skills pract	26-17
	NEWBERY WINNERS	3 - 8	Skills pract	26-19
	CLOZE PLUS PKG. 3 LEVELS	3 - 8	Skills pract	26-20
	DIASCRIPTIVE READING	3 - 8	Skills pract	26-21
	WHAT WAS THAT WORD?	3 - 8	Rote drill	26-22
	COMPU-READ	3 - 12	Rote drill	26-23
	DOING THINGS IN ORDER	3 - 6	Tutorial	26-25
	READ IT ALL	3 - 6	Tutorial	26-26
	UNDERSTAND'G WHAT YOU READ	3 - 6	Tutorial	26-27
	THE ORDER OF EVENTS	3 - 6	Tutorial	26-28
	READ WORDS/LETRS/CAREFULLY	3 - 6	Tutorial	26-29
	US'G DIRECT'NS GO PLACES	3 - 6	Tutorial	26-30
	FIND'G PEOPLE,PLACES,THING	3 - 6	Tutorial	26-31
	ADVENTURES AROUND WORLD	3 - 6	Skills pract	27-01
	CLOZE COMPREHENSION DEVEL	3 - 6	Skills pract	27-02
4	†USING PHONICS IN CONTEXT	4 - 6	Skills pract	27-04
	†READG FOR COMPREHENS SER'S	4 - 12	Tutorial	27-05
	†GAME POWER FOR PHONICS	4 - 10	Educ'l game	27-06
	†GAME POWER FOR PHONICS	4 - 12	Educ'l game	27-07
	READING COMPREHENS'N D-E-F	4 - 6	Tutorial	27-10
	INTERMED READ'G SKLS BLS85	4 - 12	Tutorial	27-14
	READING COMPREHENS'N BLS80	4 - 7	Tutorial	27-15
	CRYPTO	4 - 10	Educ'l game	27-21
	SCRAMBLED LETTERS	4 - 9	Educ'l game	27-22
	STRANGE ENCOUNTERS	4 - 6	Skills pract	27-23
	†WORD FUNCTIONS PART II	4 - 12	Tutorial	27-25
	†WORD FUNCTIONS PART I	4 - 12	Tutorial	27-26
	†HOMONYMS IN CONTEXT	4 - 6	Skills pract	27-27
	†RHYMING	4 - 16	Skills pract	27-29
5	CODE BREAKER	5 - 12	Educ'l game	27-31
	HOW TO READ-CONTENT AREAS	5 - 8	Tutorial	28-01
	GETTING SENTENCE MEANINGS	5 - 10	Skills pract	28-02
	USING CONTEXT CLUES	5 - 12	Skills pract	28-03
	SEEING CAUSE AND EFFECT	5 - 10	Skills pract	28-04
	CATEGORIZ'G WORDS, PHRASES	5 - 10	Skills pract	28-05
	DETERMINING FACT & OPINION	5 - 10	Skills pract	28-06
	†HOW TO IDENTIFY MAIN IDEA	5 - 12	Skills pract	28-07
	†HOW TO DRAW CONCLUSIONS	5 - 12	Skills pract	28-08
	†HOW TO PUT THINGS IN ORDER	5 - 12	Skills pract	28-09
	†REVIEW OF 4 BASIC SKILLS	5 - 12	Skills pract	28-10
	†BASIC SKILLS PRACTICE A-D	5 - 12	Skills pract	28-11
	†HOW TO RECALL DETAILS	5 - 12	Skills pract	28-12
6	BASIC READING SKILLS	6 - 12	Educ'l game	28-13
	SPEED READ	6 - 14	Skills pract	28-14
7	READING COMPREHENS'N G-H-I	7 - 9	Tutorial	28-15
	SPEED READER	7 - 12	Tutorial	28-16
	WORDSKILL FOR THE MICRO	7 - 12	Educ'l game	28-17
9	†THE SPEED READER II	9 - 14	Skills pract	28-19
Spelling				
K	†WORD LAUNCH	K - 6	Educ'l game	28-20
	†WORD CRUNCH	K - 6	Educ'l game	28-21
	†VOLCANO	K - 6	Educ'l game	28-22
	WORD SCRAMBLER/SUPER SPELR	K - 12	Educ'l game	28-24
	†WRD SCRAMBLER,SUPER SPEL'R	K - 16	Educ'l game	28-26
	†WRD SCRAMBLER,SUPER SPEL'R	K - 16	Educ'l game	28-26
1	SPELLING IN CONTEXT LEV. 1	1 - 3	Skills pract	29-02
	SPELLING IN CONTEXT LEV. 2	1 - 3	Skills pract	29-03
	U-SPELL	1 - 12	Rote drill	29-04
	SPELLING II	1 - 6	Rote drill	29-05
	SPELLING I	1 - 6	Rote drill	29-06
	WORD FLASH	1 - 8	Skills pract	29-12
	FLASH SPELLING	1 - 6	Rote drill	29-13
	MAGIC SPELLS	1 - 8	Educ'l game	29-16
	SPELLING PACKAGE	1 - 12	Rote drill	29-17
	THE SPELLING PROGRAM	1 - 12	Skills pract	29-18
	CUSTOMIZED FLASH SPELLING	1 - 12	Rote drill	29-20
	THE SPELLING MACHINE	1 - 6	Skills pract	29-21
	SPELLING SORCERY	1 - 12	Educ'l game	29-23
	SPELL IT	1 - 8	Rote drill	29-25
	†RHYMES AND RIDDLES	1 - 4	Educ'l game	29-26
	†CUSTOMIZED "FLASH"SPELLING	1 - 12	Rote drill	29-27
2	SPELLING IN CONTEXT LEV. 3	2 - 4	Skills pract	29-30
	SPELLING TEST	2 - 8	Rote drill	30-04
	MOTHER GOOSE RHYMES	2 - 6	Skills pract	30-05
	STEPS TO SPELL'G-BREAKTHRU	2 - 12	Rote drill	30-06
	SPELLING STRATEGY	2 - 8	Skills pract	30-07
	SPELLING	2 - 6	Rote drill	30-08
	HAPPY FACE	2 - 6	Educ'l game	30-10
	WORDS IN CONTEXT SPEL'G A	2 - 2	Skills pract	30-13
	†SPEL'G DEMONS;COMP SP DOWN	2 - 9	Rote drill	30-14
3	SPELLING CONTEXT LEV. 4	3 - 5	Skills pract	30-25
	SPELLING RULES	3 - 10	Tutorial	30-26
	WORDS IN CONTEXT SPEL'G B	3 - 3	Skills pract	31-04
	†WHOLE BRAIN SPELLING	3 - 12	Skills pract	31-09
4	SPELLING IN CONTEXT LEV. 5	4 - 6	Skills pract	31-11
	SPELLTRONICS	4 - 9	Skills pract	31-13
	CONTRACTIONS	4 - 9	Skills pract	31-14
	COMPU-SPELL	4 - 12	Rote drill	31-15
	TANK TACTICS	4 - 8	Educ'l game	31-16
	WORDS IN CONTEXT SPEL'G C	4 - 4	Skills pract	31-19
	SPELLING DEMONS	4 - 12	Rote drill	31-20
5	SPELLING IN CONTEXT LEV. 6	5 - 7	Skills pract	31-25
	WORDS IN CONTEXT SPEL'G D	5 - 5	Skills pract	31-26
	†PUNCTUAT'N & CAPITALIZAT'N	5 - 10	Skills pract	31-27
	†STEPS TO SPELLNG BRKTHRU 2	5 - 12	Skills pract	31-30
	†CAPITALIZATION	5 - 12	Tutorial	31-31
6	SPELLING IN CONTEXT LEV. 7	6 - 8	Skills pract	32-01
	WORDS IN CONTEXT SPEL'G E	6 - 6	Skills pract	32-02
	†SPELLING BREAKTHROUGH	6 - 12	Skills pract	32-05
7	SPELLING - GRADE 7	7 - 7	Rote drill	32-08
	SPELLING IN CONTEXT LEV. 8	7 - 9	Skills pract	32-10
	SPELLING BUILDER	7 - 12	Tutorial	32-11
	†STEPS TO SPELLNG BRKTHRU 3	7 - 12	Skills pract	32-13
	†SPELLING I	7 - 12	Tutorial	32-14
	†SPELLING II	7 - 12	Tutorial	32-15
8	SPELLING - GRADE 8	8 - 8	Rote drill	32-18
10	SPELLING - GRADE 10	10 - 10	Rote drill	32-21
	READING COMPREHENS'N J-K-L	10 - 12	Tutorial	32-22
11	SPELLING - GRADE 11	11 - 11	Rote drill	32-24
12	SPELLING - GRADE 12	12 - 12	Rote drill	32-25
Vocabulary				
K	ALEXANDER THE GREAT	K - 8	Educ'l game	33-01
	†THEIR WORLD II	K - 6	Tutorial	33-03
	†THEIR WORLD I	K - 6	Tutorial	33-04
	†THEIR WORLD IV	K - 6	Tutorial	33-05
	†THEIR WORLD V	K - 6	Skills pract	33-06
	†WORD MEMORY	K - 6	Educ'l game	33-07
1	VISUAL VOCAB	1 - 6	Concept demo	33-12
	VOCABULARY - ELEMENTARY	1 - 4	Rote drill	33-13
	VOCABULARY - DOLCH	1 - 3	Rote drill	33-14
	WORD FAMILIES	1 - 4	Skills pract	33-15
2	STUDENT WORD STUDY	2 - 6	Rote drill	33-19
	VOCABULARY QUIZ	2 - 12	Educ'l game	33-20
	†CONTEXT CLUES	2 - 5	Educ'l game	33-29
	†VOCABULARY BUILDING	2 - 5	Educ'l game	33-30
3	WORD STRUCTURE	3 - 8	Tutorial	34-01
	MINICROSSWORD	3 - 8	Educ'l game	34-02
	WORD-MATE	3 - 6	Educ'l game	34-05
	FISHING FOR HOMONYMS	3 - 6	Educ'l game	34-06
	FLIP-E FLOP-E	3 - 8	Educ'l game	34-08
	VOCABULARY PROMPTER	3 - 12	Rote drill	34-11
	ROOTS/AFFIXES	3 - 8	Skills pract	34-12
	HOMONYMS	3 - 8	Skills pract	34-13
	ANTONYMS/SYNONYMS	3 - 8	Skills pract	34-14
	WORD FACTORY	3 - 6	Skills pract	34-16
	VOCABULARY BUILDERS	3 - 8	Tutorial	34-17
4	LANGUAGE PRACTICE	4 - 12	Skills pract	34-21
	SCRAMBLE	4 - 12	Educ'l game	34-22
	EARL'S WORD POWER	4 - 12	Skills pract	34-25
5	RIDDLE ME THIS, HOMONYMS	5 - 12	Educ'l game	35-01
	PIX-PEK-PUT SUFFIXES I	5 - 12	Educ'l game	35-02
	†WORD ELEMENTS SERIES 1	5 - 12	Skills pract	35-03
	†WORD ELEMENTS SERIES 2	5 - 12	Educ'l game	35-04
	†WORD ELEMENTS SERIES 3	5 - 12	Educ'l game	35-05
	†WORD ELEMENTS SERIES 4	5 - 12	Tutorial	35-06
	†WORD ELEMENTS SERIES 6	5 - 12	Tutorial	35-07
	†VOCABULARY SERIES	5 - 12	Rote drill	35-08
6	HOMONYMS	6 - 12	Skills pract	35-09
	SYNONYMS AND ANTONYMS	6 - 12	Skills pract	35-10
	KEY LINGO	6 - 12	Educ'l game	35-12

† This is a new entry in THE SOFTWARE FINDER.

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
	ENGLISH: Vocabulary (CONT)			
	THE CHAMBERS OF VOCAB	6 - 12	Educ'l game	35-13
	TRICKSTER COYOTE	6 - 12	Educ'l game	35-14
	CONTEXT CLUES	6 - 8	Tutorial	35-15
	ROOT WORDS	6 - 8	Rote drill	35-16
	†WORDWRIGHT	6 - 12	Educ'l game	35-18
7	VOCABULARY - GRADE 7	7 - 7	Rote drill	35-20
	VOCABULARY BUILDER 1: BEG.	7 - 12	Skills pract	35-23
	VOCABULARY BUILDER 2: ADV.	7 - 12	Skills pract	35-24
	FOREIGN / ENGLISH	7 - 14	Rote drill	35-27
	PIC-PEK-PUT, BASE WORDS	7 - 12	Skills pract	35-28
8	VOCABULARY - GRADE 8	8 - 8	Rote drill	36-02
9	VOCABULARY - GRADE 9	9 - 9	Rote drill	36-04
	VOCABULARY BUILDER	9 - 12	Skills pract	36-05
	WORD ANALOGY	9 - 12	Skills pract	36-06
10	VOCABULARY - GRADE 10	10 - 10	Rote drill	36-10
11	VOCABULARY - GRADE 11	11 - 11	Rote drill	36-11
12	VOCABULARY - GRADE 12	12 - 12	Rote drill	36-12
	Writing			
K	†STORY MACHINE	K - 4	Educ'l game	36-13
1	STORYBOARD	1 - 12	Author lang	36-15
2	†SEQUENCE	2 - 5	Educ'l game	36-18
3	PROOF IT	3 - 8	Skills pract	36-20
	CAPITALIZATION	3 - 8	Skills pract	36-21
4	†THE BANK STREET WRITER	4 - 12	Word proces'r	36-22
	SENTENCE COMBINING(SENCOM)	4 - 8	Tutorial	36-23
	†GRAMMAR AND WRITING	4 - 12	Tutorial	36-24
	†COMPUPOEM	4 - 12	Educ'l game	36-25
5	SEQUENCE EVENTS	5 - 10	Skills pract	36-26
7	†CUES & QUOTES UNIT VII	7 - 12	Tutorial	36-27
	†IMPROVE WRITING STYLE-ADVD	7 - 12	Tutorial	36-28
	†MECHANICS	7 - 12	Tutorial	36-29
	ENGLISH: Literature			
5	ADVERTISING TECHNIQUES	5 - 12	Tutorial	37-03
7	†POETRY	7 - 10	Skills pract	37-05
	READINGS IN LITERATURE	7 - 12	Skills pract	37-06
9	ASTRO QUOTES	9 - 9	Skills pract	37-09
	ENGLISH: Engl, 2nd Lang			
2	OCCUPATIONS VOCABULARY	2 - 6	Rote drill	37-11
	PLACES VOCABULARY	2 - 6	Rote drill	37-12
	OFFICE VOCABULARY	2 - 6	Rote drill	37-13
	HOME VOCABUALRY	2 - 6	Rote drill	37-14

FINE ARTS

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
	CREATIVITY LIFE DYNAMIC	2 - 12	Computl tool	37-15
	FINE ARTS: Art			
K	†DELTA DRAWING	K - 6	Computl tool	37-16
	†FACEMAKER	K - 3	Educ'l game	37-17
2	†COLOR ME	2 - 5	Skills pract	37-21
3	COMPU-ART	3 - 8	Computl tool	37-23
4	EDU-PAINT	4 - 12	Computl tool	37-27
7	U-DRAW II	7 - 12	Computl tool	38-02
	FINE ARTS: Music			
1	NOTE RACE	1 - 6	Educ'l game	38-12
	NOTE GAMES	1 - 6	Rote drill	38-13
	NOTE LESSONS	1 - 6	Rote drill	38-14
	ARNOLD	1 - 12	Skills pract	38-15
	MUSICAL STAFF DRILL	1 - 8	Skills pract	38-16
	TONAL ENCOUNTER	1 - 6	Skills pract	38-17
2	NAME THAT TUNE	2 - 12	Educ'l game	38-18
	DOREMI	2 - 12	Skills pract	38-19
	INTERVAL MANIA	2 - 12	Educ'l game	38-20
3	MUSICAL STORIES	3 - 6	Rote drill	38-21
	GUIDE TO COMPOSERS	3 - 12	Rote drill	38-23
	GUIDE TO GENL MUSIC TERMS	3 - 14	Rote drill	38-24
	MODE DRILLS	3 - 14	Skills pract	38-25
	PITCH DRLS, NO ACCIDENTALS	3 - 14	Rote drill	38-26
	GUIDE-STD INSTRUMENT NAMES	3 - 12	Rote drill	38-27
	MELODIUS DICTATOR	3 - 12	Skills pract	38-28
4	MUSICMASTER - BEGINNER MOD	4 - 12	Computl tool	38-30
	ELEMENTS OF MUSIC	4 - 9	Skills pract	39-01
	MUSIC COMPOSING AID	4 - 12	Computl tool	39-04
6	RHYTHMIC DICTATOR	6 - 12	Educ'l game	39-21
7	GUIDE TO MUSICAL SYMBOLS	7 - 12	Rote drill	39-24
	GUIDE-ITALIAN MUSIC TERMS	7 - 12	Rote drill	39-25
	SIR WILLIAM WRONG NOTE	7 - 12	Tutorial	39-26
8	†ELECTRIC DUET	8 - 12	Tutorial	39-27
9	ELECTRIC DUET	9 - 12	Computl tool	39-29
	HARMONIOUS DICTATOR	9 - 14	Tutorial	40-03
	CHORD MANIA	9 - 14	Skills pract	40-04
	GUIDE, FOREIGN INSTRUMENT	9 - 14	Rote drill	40-05
	INTERVAL DRILLMASTER	9 - 12	Skills pract	40-06
	ENVELOPE SHAPER	9 - 12	Computl tool	40-07
	MUSIC COMPOSER	9 - 12	Computl tool	40-08

FOREIGN LANGUAGE

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
2	HOME VOCABULARY	2 - 6	Rote drill	40-12
	OCCUPATIONS VOCABULARY	2 - 6	Rote drill	40-13
	PLACES VOCABULARY	2 - 6	Rote drill	40-14
	OFFICE VOCABULARY	2 - 6	Rote drill	40-15
3	VOCABULARY PROMPTER	3 - 12	Rote drill	40-16
6	†CASTLE BUILDER TFL-1	6 - 12	Educ'l game	40-17
	†MONSTER MAKER TFL-2	6 - 12	Educ'l game	40-18
	†SUB CHASE TFL-3	6 - 12	Educ'l game	40-19
	†HELICOPTERS TFL-4	6 - 12	Educ'l game	40-20
7	FOREIGN LANG VOCABUL'Y DRL	7 - 12	Rote drill	40-21
	FOREIGN LANGUAGE: French			
6	†UN COURS DE GRAMMAIRE	6 - 12	Skills pract	41-06
	†LA GUILLOTINE	6 - 9	Educ'l game	41-07
	†POKER PARI	6 - 12	Educ'l game	41-08
	†PRESENT & PAST VERB TENSES	6 - 12	Tutorial	41-09
	†LA CARTE DE FRANCE	6 - 12	Educ'l game	41-11
	†LES CAREES, LE LABYRINTHE	6 - 12	Educ'l game	41-12
	†PRONOMS RELATIES & INTER'S	6 - 12	Skills pract	41-13
	†LA FUSEE FR-1A	6 - 12	Educ'l game	41-15
	†LA PUNAISE FR-1B	6 - 12	Educ'l game	41-16
	†L'ATTAQUE FR 2A	6 - 12	Educ'l game	42-01
	†LA TEMPETE FR 2B	6 - 12	Educ'l game	42-02
	†LE CANON FR-3A	6 - 12	Educ'l game	42-03
	†SUPER TOE FR-3B	6 - 12	Educ'l game	42-04
7	FOREIGN LANGUAGE: FRENCH	7 - 14	Rote drill	42-06
	THE FRENCH HANGMAN	7 - 12	Educ'l game	42-08
	†L'ATTERRISSAGE FR-4A	7 - 12	Educ'l game	42-09
	†GRAN PRIX FR-4B	7 - 12	Educ'l game	42-10
	†LE GRAND CHATEAU FR-5A	7 - 12	Educ'l game	42-11
	†LES COUREURS FR-5B	7 - 12	Educ'l game	42-12
	†LE MONSTRE FR-6A	7 - 12	Educ'l game	42-13
	†SUPER TOE FR-6B	7 - 12	Educ'l game	42-14
	†FRENCH VOCABULARY DRILL	7 - 12	Rote drill	42-15
9	ASTRO WORD SEARCH: FRENCH	9 - 11	Skills pract	42-19
	FOREIGN LANGUAGE: German			
6	†POKER PARAT	6 - 12	Educ'l game	42-23
	†DEUTSCHE GRAMMATIK	6 - 12	Skills pract	42-24
	†DIE RAKETE GE-1A	6 - 12	Educ'l game	42-26
	†DIE WETTFAHRT GE-1B	6 - 12	Educ'l game	42-27
	†DIE BURG GE-2A	6 - 12	Educ'l game	42-28
	†EIN WETTLAUF GE-2B	6 - 12	Educ'l game	42-29
	†DAS UNGEHEUER GE-3A	6 - 12	Educ'l game	42-30
	†DER KRIEG GE-3B	6 - 12	Educ'l game	42-31
7	FOREIGN LANGUAGE: GERMAN	7 - 14	Rote drill	42-32
	†SUPER TOE GE 4A	7 - 12	Educ'l game	43-01
	†DER KAEFER GE-4B	7 - 12	Educ'l game	43-02
	†DIE LANDUNG GE-5A	7 - 12	Educ'l game	43-03
	†DAS GEWITTER GE-5B	7 - 12	Educ'l game	43-04
	†DAS U-BOOT GE-6A	7 - 12	Educ'l game	43-05
	†SUPER TOE GE-6B	7 - 12	Educ'l game	43-06
9	MICRO-DEUTSCH	9 - 12	Rote drill	43-07
	APFELDEUTSCH	9 - 12	Tutorial	43-08
	FOREIGN LANGUAGE: Russian			
7	†RAKETA RU-1A	7 - 12	Educ'l game	43-28
	†PODVODNAYA LODKA RU-1B	7 - 12	Educ'l game	43-29
	†GONKI RU-2A	7 - 12	Educ'l game	43-30
	†SUPER TOE RU-2B	7 - 12	Educ'l game	44-01
	†KREML RU-3A	7 - 12	Educ'l game	44-02
	†NASEKOMIYE RU-3B	7 - 12	Educ'l game	44-03

† This is a new entry in THE SOFTWARE FINDER.

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
	FOREIGN LANGUAGE: Russian (CONT)			
	†MOI KLOP RU-4A	7 - 12	Educ'l game	44-04
	†PUSHKA RU-4B	7 - 12	Educ'l game	44-05
	†POSADKA RU-5A	7 - 12	Educ'l game	44-06
	†NA DACHE RU-5B	7 - 12	Educ'l game	44-07
	†CHUDOVISHCHE RU-6A	7 - 12	Educ'l game	44-08
	†SUPER TOE RU-6B	7 - 12	Educ'l game	44-09
9	†RUSSIAN DISK	9 - 12	Tutorial	44-12
	FOREIGN LANGUAGE: Spanish			
6	†LA CORRIDA DE TOROS	6 - 9	Educ'l game	44-15
	†POKER LISTO	6 - 12	Educ'l game	44-16
	†SPANISH GRAMMAR REVIEW PT6	6 - 9	Skills pract	44-19
	†SPANISH GRAMMAR REVIEW PT7	6 - 9	Skills pract	44-20
	†SPANISH GRAMMAR REVIEW PT5	6 - 8	Skills pract	44-21
	†SPANISH GRAMMAR REVIEW PT4	6 - 12	Skills pract	44-22
	†SPANISH GRAMMAR REVIEW PT3	6 - 9	Skills pract	44-23
	†SPANISH GRAMMAR REVIEW PT2	6 - 9	Skills pract	44-24
	†SPANISH GRAMMAR REVIEW PTI	6 - 8	Skills pract	44-25
	†ANAGRAMAS HISPANOAMERICANO	6 - 12	Educ'l game	44-26
	†SPANISH WORD ORDER	6 - 12	Skills pract	44-27
	†EL ATERRIZAJE SP-1A	6 - 12	Educ'l game	44-29
	†EL TIRO AL BLANCO SP-1B	6 - 12	Educ'l game	44-30
	†EL CASTILLO SP-2A	6 - 12	Educ'l game	44-31
	†EL COHETE SP-2B	6 - 12	Educ'l game	44-32
	†LOS BICHOS SP-3A	6 - 12	Educ'l game	45-01
	†EL SUBMARINO SP-3B	6 - 12	Educ'l game	45-02
7	FOREIGN LANGUAGE: SPANISH	7 - 14	Rote drill	45-04
	PRACTICANDO ESPANOL	7 - 12	Rote drill	45-05
	ALICIA BILING. SPANISH RDR	7 - 12	Skills pract	45-07
	SPANISH HANGMAN	7 - 12	Educ'l game	45-08
	†LA TRONADA SP-4A	7 - 12	Educ'l game	45-11
	†LA PISTA SP-4B	7 - 12	Educ'l game	45-12
	†EL ATAQUE SP-5A	7 - 12	Educ'l game	45-13
	†SUPER TOE SP-5B	7 - 12	Educ'l game	45-14
	†SPANISH VOCABULARY DRILL	7 - 12	Rote drill	45-15
	†GERMAN VOCABULARY DRILL	7 - 12	Rote drill	45-16
8	ASTRO WORD SEARCH: SPANISH	8 - 11	Skills pract	45-17
	FOREIGN LANGUAGE: Hebrew			
4	HEBREW II	4 - 12	Teacher aid	45-20
	HEBREW II PLUS	4 - 12	Teacher aid	45-21

GUIDANCE

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
6	†STUDY	6 - 12	Teacher aid	45-22
	†SCI FI	6 - 12	Simulation	45-23
	GUIDANCE: Career Inform'n			
7	CAREER INFORMATION SYSTEM	7 - 12	Data retr'val	45-24
	†CAREER CHOICES	7 - 14	Computl tool	45-25
	GUIDANCE: Psych Counsel'g			
6	†FATE2	6 - 12	Computl tool	45-26

HEALTH

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
1	OUR BODIES	1 - 3	Tutorial	45-27
4	WHAT'S IN YOUR LUNCH?	4 - 12	Concept demo	45-28
	COUNTING CALORIES	4 - 12	Concept demo	46-01
	HOME SAFE HOME	4 - 12	Tutorial	46-02
	POISON PROOF YOUR HOME	4 - 12	Tutorial	46-03
	†TEETH	4 - 7	Tutorial	46-04
	†HEALTH & OUR BODIES	4 - 6	Tutorial	46-05
5	DIET	5 - 12	Data retr'val	46-06
7	RATS	7 - 12	Simulation	46-08
	MALARIA	7 - 12	Simulation	46-09
	†EAT SMART	7 - 16	Data retr'val	46-10
9	†YOU'RE THE DOCTOR	9 - 12	Educ'l game	46-13

HOME ECONOMICS

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
4	HOME SAFE HOME	4 - 12	Tutorial	46-14
	POISON PROOF YOUR HOME	4 - 12	Tutorial	46-15
	HOME ECONOMICS: Consumerism			
2	COMPARATIVE BUYING	2 - 7	Simulation	46-17
6	YOU CAN BANK ON IT	6 - 12	Tutorial	46-22
	INCOME MEETS EXPENSES	6 - 12	Tutorial	46-23
	MONEY MGT ASSESSM'T SERIES	6 - 12	Teacher aid	46-24
7	†DECISION MAKING	7 - 14	Tutorial	46-26
9	†YOU AND INSURANCE	9 - 14	Tutorial	46-27
	†CREDIT	9 - 14	Tutorial	46-28
	†MONEY	9 - 14	Tutorial	47-01
	†ALL ABOUT INTEREST	9 - 14	Tutorial	47-02
	†UNDERSTANDING LABELS	9 - 14	Tutorial	47-03
	†HOW TO FINANCE A CAR	9 - 14	Tutorial	47-04
	†LAWS FOR CONSUMERS	9 - 14	Tutorial	47-05
	†CONSUMER FRAUD	9 - 14	Tutorial	47-06
	†CONSUMER HELP	9 - 14	Tutorial	47-07
	†TIPS ON BUYING A USED CAR	9 - 14	Tutorial	47-08
	†READING AN ADVERTISEMENT	9 - 14	Tutorial	47-09
	†CONSUMERISM AND YOU	9 - 14	Tutorial	47-10
	†SHOPP'G IN COMPARATIVE WAY	9 - 14	Tutorial	47-11
11	ELECTRICAL USE	11 - 12	Computl tool	47-12
	HOME ECONOMICS: Foods			
4	WHAT'S IN YOUR LUNCH?	4 - 12	Concept demo	47-13
	COUNTING CALORIES	4 - 12	Concept demo	47-14
5	DIET	5 - 12	Data retr'val	47-15
7	†EAT SMART	7 - 16	Data retr'val	47-18
	†EATING FOR GOOD HEALTH	7 - 14	Tutorial	47-19
9	NUTRICHEC 2.0	9 - 12	Data retr'val	47-20
	HOME ECONOMICS: Personal Devel			
7	†FRIENDS AND YOU	7 - 12	Tutorial	47-21
	†THE AGE OF RESPONSIBILITY	7 - 12	Tutorial	47-22
	†SUCCEEDING	7 - 14	Tutorial	47-23
9	†ARREST	9 - 14	Tutorial	47-24
	†DEATH	9 - 14	Tutorial	47-25
	†VIOLATED CONSUMER RIGHTS	9 - 14	Simulation	47-26
	†INVOLVED IN AN ACCIDENT	9 - 14	Simulation	47-27
	†BEING FIRED	9 - 14	Tutorial	47-28

INDUSTRIAL ARTS

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
	SUNSIM-4	9 - 12	Simulation	47-29
	INDUSTRIAL ARTS: Drafting			
7	†MICROMETER	7 - 14	Skills pract	48-01
	INDUSTRIAL ARTS: El-trnics/trcty			
9	PARALLEL CIRCUITS I	9 - 12	Skills pract	48-03
	SERIES CIRCUITS	9 - 12	Skills pract	48-04
	†MENTOR	9 - 12	Teacher aid	48-05
	†RESISTORS	9 - 14	Skills pract	48-06
10	SERIES/PARAL'L CIRC ANAL'S	10 - 12	Skills pract	48-10
	INDUSTRIAL ARTS: Woodworking			
7	†RAFTER	7 - 14	Computl tool	48-11
	†STAIRS	7 - 14	Computl tool	48-12

LIBRARY SKILLS

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
2	†LEARN ABOUT CATALOG CARDS	2 - 6	Tutorial	48-13
	†LEARN TO UNDSTAND CARD CAT	2 - 6	Tutorial	48-14
	†ADVANCD DEWEY DECIMAL SYST	2 - 6	Tutorial	48-15
	†USING REF TBLES IN ALMANAC	2 - 6	Tutorial	48-16
	†BASIC FICTION SKILLS	2 - 6	Tutorial	48-17
	†BIOGRAPHIES	2 - 6	Tutorial	48-18
	LEARN TO LOCATE BOOKS	2 - 6	Tutorial	48-19
	LEARNING TO USE AN INDEX	2 - 6	Educ'l game	48-20
5	MEDIA SKILLS	5 - 8	Tutorial	48-21
7	†DIG OUT THE FACTS I & II	7 - 12	Tutorial	48-22
8	AUDIO-VISUAL EQUIPMENT	8 - 12	Skills pract	48-23
3	BOOK CLASSES	3 - 6	Tutorial	48-24
	DISCOVERING BOOKS	3 - 6	Tutorial	48-25
4	LIBRARY SKILLS	4 - 12	Tutorial	48-26
7	COMP. ASSIST. LIBRARY INST	7 - 12	Tutorial	49-02

† This is a new entry in THE SOFTWARE FINDER.

MATHEMATICS

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
3	PYTHGORAS AND THE DRAGON	3 - 12	Educ'l game	49-03
6	MUMATH/MUSIMP-80	6 - 12	Computl tool	49-04

MATHEMATICS: Basic Skills

Multiple Topics

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
K	EDUFUN! MATHFUN!	K - 8	Educ'l game	49-11
	†EARLY GAMES/YOUNG CHILDREN	K - 2	Educ'l game	49-12
1	EDUCATIONAL PACKAGE III	1 - 4	Rote drill	49-14
	MATH ASSESSM'T/PRESCRIPTIV	1 - 7	Skills pract	49-15
	COMPUTER MATH GAMES	1 - 9	Educ'l game	49-16
	COMPUTER MATH ACTIVITIES	1 - 9	Educ'l game	49-17
	MATH WARS	1 - 10	Educ'l game	49-19
	MATH SEQUENCES	1 - 8	Skills pract	49-20
	CDI MATH LEVEL A	1 - 2	Skills pract	49-21
	CLASSROOM MGT SYST MATH A	1 - 3	Teacher aid	49-22
	†MATH SKILLS-ELEM. LEVEL	1 - 6	Skills pract	49-23
	†ARITHMETIC CLASSROOM-GAMES	1 - 8	Educ'l game	49-24
2	ESSENTIAL MATH - LEVEL 2	2 - 2	Skills pract	49-26
	GENERAL ELEMENTARY	2 - 6	Skills pract	49-27
	†MATH BLASTER	2 - 7	Educ'l game	49-28
3	CREATIVE PLAY:PROB SOLVING	3 - 6	Educ'l game	50-01
	CDI MATH LEVEL B	3 - 4	Skills pract	50-02
	BASIC MATH SKILL SERIES	3 - 12	Tutorial	50-03
4	ESTIMATE	4 - 8	Skills pract	50-05
	DECIMAL CONCEPTS/OPERAT'NS	4 - 8	Tutorial	50-06
	CLASSROOM MGT SYST MATH B	4 - 8	Teacher aid	50-07
5	PROBLEM SOLVING STRATEGIES	5 - 9	Skills pract	50-08
	CDI MATH LEVEL C	5 - 6	Skills pract	50-09
	†MATH SKILLS-JR HIGH LEVEL	5 - 10	Skills pract	50-10
6	RATIOS, % & NEG. INTEGERS	6 - 8	Tutorial	50-13
	†BASIC MATH COMPETENCY DRIL	6 - 9	Skills pract	50-14
	MICROMATH	6 - 12	Skills pract	50-15
7	MATCH	7 - 12	Computl tool	50-17
	GRAPHS & MEAN,MEDIAN,MODE	7 - 10	Skills pract	50-18

Arithmetic

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
K	†MICRO SUBTRACTION	K - 4	Skills pract	50-24
	†MICRO ADDITION	K - 4	Skills pract	50-26
	†MICRO MULTIPLICATION	K - 4	Skills pract	50-28
	ESSENTIAL MATH - LEVEL 1	K - 1	Skills pract	50-29
	†MICRO DIVISION	K - 4	Skills pract	50-30
	ADD'N & SUBTR'N WHOLE NOS	K - 3	Tutorial	51-01
	BEGINNING MATH CONCEPTS	K - 3	Educ'l game	51-03
	COUNT AND ADD	K - 2	Concept demo	51-06
	THE MATH MACHINE	K - 6	Skills pract	51-07
1	ADD WITH CARRY	1 - 6	Skills pract	52-05
	SPEED DRILL	1 - 6	Skills pract	52-06
	MATHWARE SYSTEMS S	1 - 8	Tutorial	52-08
	ADDITION & SUBTRACTION	1 - 5	Tutorial	52-09
	BASIC MATH SKILL GAMES	1 - 8	Educ'l game	52-10
	SPEED FACTS	1 - 5	Educ'l game	52-11
	MATH PACK I	1 - 5	Skills pract	52-12
	BASIC ARITHMETIC SKILLS	1 - 6	Educ'l game	52-13
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	ADDIT'N&SUBTR'N,WHOLE NOS.	1 - 6	Skills pract	52-22
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† This is a new entry in THE SOFTWARE FINDER.

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† This is a new entry in THE SOFTWARE FINDER.

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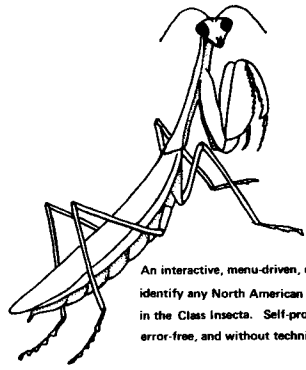

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† This is a new entry in THE SOFTWARE FINDER.

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
Physics: Waves (CONT)				
	PERIODIC MOTION	11 - 12	Tutorial	90-23
	PERIODIC WAVES: BASICS	11 - 12	Tutorial	90-24
	PERIOD WAVES-INTERF/STANDG	11 - 12	Tutorial	90-25
	TRANSVERSE STANDING WAVES	11 - 12	Skills pract	90-26
	LONGITUDINAL STAND'G WAVES	11 - 12	Skills pract	90-27
SCIENCE: Technology Educ				
1	†TRANSPORTATION	1 - 3	Tutorial	90-28
5	†COMMUNICATIONS	5 - 6	Tutorial	90-29

SOCIAL SCIENCE

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
1	†YOUR COMMUNITY	1 - 3	Tutorial	91-01
	SOCIAL STUDIES - FARM LIFE	1 - 2	Tutorial	91-02
	HOLIDAYS AND FESTIVALS	1 - 3	Tutorial	91-03
2	†COMMUNITY HELPERS	2 - 3	Tutorial	91-06
SOCIAL SCIENCE: Civics/Govern't				
5	CAPITAL QUIZ	5 - 10	Rote drill	91-09
7	†THE LAW	7 - 14	Tutorial	91-11
SOCIAL SCIENCE: Current Events				
	ENERGY SEARCH	7 - 12	Simulation	91-15
9	ENERGY	9 - 12	Simulation	91-17
11	CRIMEX	11 - 12	Simulation	91-23
	DEMO-GRAPHICS	11 - 12	Data retr'val	91-24
	STREETS OF THE CITY	11 - 12	Educ'l game	91-26
SOCIAL SCIENCE: Economics				
3	SELL APPLES	3 - 6	Simulation	91-27
4	SELL PLANTS	4 - 8	Simulation	91-28
5	SELL LEMONADE	5 - 12	Educ'l game	92-02
6	SAMPLING	6 - 12	Concept demo	92-04
	SELL BICYCLES	6 - 12	Educ'l game	92-05
7	†SUMER	7 - 12	Educ'l game	92-08
	SANTA PARAVIA & FIUMACCIO	7 - 12	Educ'l game	92-09
SOCIAL SCIENCE: Geography				
K	†GREAT MAINE TO CALIF RACE	K - 2	Educ'l game	92-12
1	†BEGINNING GEOGRAPHY	1 - 3	Tutorial	92-13
	WORLD POLAR REGIONS	1 - 3	Tutorial	92-14
3	CONTINENTS-MEDALIST SERIES	3 - 10	Skills pract	92-17
	STATES - MEDALIST SERIES	3 - 10	Skills pract	92-18
4	†STATES OF THE U.S.	4 - 6	Tutorial	92-23
	†GLOBE MASTER II	4 - 12	Educ'l game	92-25
	†THE STATES GAME	4 - 10	Educ'l game	92-27
	ASTRO WORD SEARCH:GEOGRAPH	4 - 8	Skills pract	93-02
	STATES & STATES2	4 - 9	Rote drill	93-04
	U.S. MAP	4 - 9	Rote drill	93-05
	MAPS AND GLOBES	4 - 8	Skills pract	93-15
	STATES AND CAPITALS	4 - 8	Rote drill	93-16
	REGIONS OF THE U.S.	4 - 9	Rote drill	93-17
5	EUROPEAN MAP	5 - 12	Rote drill	93-23
	SUPERMAP	5 - 12	Data retr'val	93-24
	COUNTRY	5 - 10	Rote drill	93-29
	ALASKA THE GREAT LAND	5 - 12	Tutorial	93-30
6	†REGIONS OFTHE UNITEDSTATES	6 - 9	Skills pract	93-31
	†NOMAD	6 - 9	Educ'l game	94-01
7	SHORE FEATURES	7 - 12	Tutorial	94-04
9	†MAP READING	9 - 14	Tutorial	94-06
SOCIAL SCIENCE: History				
3	AMERICAN HISTORY - BIOG'S	3 - 5	Tutorial	94-10
4	†WHO BUILT AMERICA	4 - 5	Tutorial	94-12
	†GROWTH OF UNITED STATES	4 - 5	Tutorial	94-13
	AMERICAN INDIANS	4 - 6	Tutorial	94-15
	PRESIDENTS	4 - 10	Rote drill	94-20
	ALASKA NATIVES MULTI-MEDIA	4 - 7	Tutorial	94-21
5	†STARS IN THE UNION	5 - 10	Concept demo	94-22
	†THE MIDDLE AGES	5 - 6	Tutorial	94-23
	†MEET THE PRESIDENTS	5 - 10	Educ'l game	94-24
	†NEW CONTIN'T IS DISCOVERED	5 - 8	Tutorial	94-25
	†THE THIRTEEN COLONIES	5 - 8	Tutorial	94-26
	†AMERICAN EXPLORERS	5 - 8	Tutorial	94-27
	†JAMESTOWN,EARLY SETTLEMENT	5 - 8	Tutorial	94-28
	†STRUGGLE FOR INDEPENDENCE	5 - 8	Tutorial	94-29
	†WESTERN EXPANSION	5 - 8	Tutorial	94-30
	EARLY HUMANS	5 - 6	Tutorial	95-03
	EARLY CIVILIZATIONS	5 - 6	Tutorial	95-04
6	†LINCOLN'S DECISION	6 - 9	Simulation	95-05
	†FURS	6 - 9	Simulation	95-06
	†OREGON	6 - 9	Educ'l game	95-07
	†VOYAGEUR	6 - 9	Educ'l game	95-08
7	†U.S. CONSTITUTION TUTOR	7 - 14	Tutorial	95-11
	†DISCOVERING AMERICA I & II	7 - 12	Tutorial	95-15
	GEOGRAPHY SEARCH	7 - 12	Simulation	95-16
	COMMUNITY SEARCH	7 - 12	Simulation	95-17
	ARCHAEOLOGY SEARCH	7 - 12	Simulation	95-18
9	†THE DECADES GAME I,II,III	9 - 12	Educ'l game	95-21
	CIVIL	9 - 12	Educ'l game	95-22
10	REVOLUTIONARY WAR QUIZ	10 - 12	Educ'l game	95-27
SOCIAL SCIENCE: Political Science				
7	ANNAM-STUDY DEVEL COUNTRY	7 - 12	Simulation	95-30
9	†PRESIDENT ELECT	9 - 14	Educ'l game	96-03
	ELECTORAL COLLEGE	9 - 12	Simulation	96-06
10	HAIL TO THE CHIEF	10 - 12	Simulation	96-09

SPECIAL EDUCATION

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
1	PIAT ERROR ANALYSIS	1 - 12	Teacher aid	96-14
	WISC-R COMPUTER	1 - 12	Teacher aid	96-15
	UNISTAR 1	1 - 12	Teacher aid	96-16
	THE SPELLING PROGRAM	1 - 12	Skills pract	96-17
	EMH - PRE-IEP	1 - 12	Teacher aid	96-18

ATARI 400/800 SOFTWARE

BUSINESS: Accountg/Bookg

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
11	PRINCIPLES OF ACCOUNTING	11 - 12	Tutorial	4-09
BUSINESS: Business Math				
9	TAXING!	9 - 12	Tutorial	4-13
BUSINESS: Business Princs				
7	MARKET	7 - 12	Educ'l game	3-19
BUSINESS: Typing				
1	TYPING	1 - 12	Rote drill	5-06
4	MICROTYPING	4 - 12	Tutorial	5-11
	MASTERTYPE	4 - 12	Educ'l game	5-14
5	†TYPO ATTACK	5 - 10	Educ'l game	5-18
	† TYPE ATTACK	5 - 12	Educ'l game	5-19
9	TOUCH TYPING	9 - 12	Tutorial	6-02

CAREER EDUCATION

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
	TRUCKER	9 - 12	Educ'l game	6-05

COMPREHENSIVE: Basic Skills

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
K	PRESCHOOL FUN	K - 2	Tutorial	6-23
	†TEACHER'S PET	K - 2	Skills pract	6-25
	†HODGE PODGE	K - 2	Skills pract	7-01
1	CONCENTRATION	1 - 12	Educ'l game	7-03
	MEMORY BUILDER: CONCENTR'N	1 - 6	Educ'l game	7-04
	†GAME DISK #1	1 - 5	Educ'l game	7-07
3	†SNOOPER TROOPS-G.P. GHOST	3 - 14	Educ'l game	7-09
	†SNOOPER TROOPS-D. DOLPHIN	3 - 14	Educ'l game	7-10

† This is a new entry in THE SOFTWARE FINDER.

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
	COMPREHENSIVE: Author Lang's			
K	PILOT (WITH TURTLE GRAPHX)	K - 12	Author lang	7-19
2	†MICROTEACH	2 - 12	Author lang	8-22
4	EDUGRAMMER	4 - 12	Author lang	8-29
	COMPREHENSIVE: Aptit Test Prep			
7	ANALOGIES	7 - 12	Tutorial	9-02
10	QUANTITATIVE COMPARISONS	10 - 12	Skills pract	9-17
	PREPARING FOR THE SAT	10 - 12	Tutorial	9-18
	†FUNBACH - S.A.T.	10 - 12	Skills pract	9-28
	COMPREHENSIVE: Comput'l Tools			
4	†THE BANK STREET WRITER	4 - 12	Word proces'r	10-01
	†EASY TEXT	4 - 14	Text proces'r	10-02
10	†INTROSTAT 2.2	10 - 11	Computl tool	10-07
	COMPREHENSIVE: Class Mgt Aids			
1	TEACHER'S AID	1 - 12	Teacher aid	10-15
	†TEST ANALYST	1 - 14	Teacher aid	10-20
	†EASYGRADER	1 - 14	Teacher aid	10-22
	QUIZSTAT	1 - 12	Teacher aid	11-01
	READING LEVEL	1 - 12	Teacher aid	11-02
	†COMPUFILE	1 - 12	Teacher aid	11-25
	COMPREHENSIVE: Drill/Test Gens			
	SCRAMBLE	1 - 12	Skills pract	12-10
	SPELL 'N TIME	1 - 12	Rote drill	12-11
	STUDY QUIZ FILES	1 - 12	Rote drill	12-17
	CROSSWORD MAGIC	1 - 12	Skills pract	12-20
2	†WORD SEARCH GENERATOR	2 - 12	Skills pract	12-27
	QUIZ MASTER	2 - 9	Rote drill	12-30
	COMPUTER SCIENCE: Computer Prog'g			
4	EXTENDED WSFN	4 - 12	Lang proces'r	14-02
	PILOT (WITH TURTLE GRAPHX)	4 - 12	Lang proces'r	14-06
6	FUNDAMENTALS OF PROGRAMM'G	6 - 12	Tutorial	14-13
	HOW TO PROGRAM IN BASIC	6 - 14	Tutorial	14-14
7	WRITING PROGRAMS ONE & TWO	7 - 12	Tutorial	14-20
8	INTRO TO SOUND & GRAPHICS	8 - 12	Tutorial	15-12
	DISPLAY LISTS	8 - 12	Tutorial	15-16
	HORIZ'L/VERTICAL SCROLLING	8 - 12	Tutorial	15-17
	PAGE FLIPPING	8 - 12	Tutorial	15-18
	BASICS OF ANIMATION	8 - 12	Tutorial	15-19
	PLAYER MISSILE GRAPHICS	8 - 12	Tutorial	15-20
	SOUND	8 - 12	Tutorial	15-21
9	ATARI PASCAL LANG SYSTEM	9 - 12	Lang proces'r	16-06
	COMP SCI/LITERACY: Computer Science			
7	SIMULATED COMPUTER	7 - 12	Simulation	16-19
	COMP SCI/LITERACY: Comput Literacy			
6	COMPUTER DISCOVERY	6 - 12	Tutorial	17-04
	ENGLISH: Basic Skills			
2	†TEAM WORK:AMER THEME, SCI	2 - 7	Educ'l game	17-19
	Multiple Topics			
K	†TEAM WORK: LANGUAGE ARTS	K - 3	Educ'l game	18-01
2	†TEAM WORK:AMER THEME,LNGAR	2 - 7	Educ'l game	18-03
	†TEAM WORK:AMER THEME, MATH	2 - 7	Educ'l game	18-04
4	†ENGLISH BASICS- CONCEPTS	4 - 6	Tutorial	18-07
7	†TEAM WORK:WRLD AR US, ENG	7 - 12	Educ'l game	18-14
	†FUNBUNCH - INTERMEDIATE	7 - 9	Skills pract	18-15
	†FUNBUNCH - ELEMENTARY	7 - 6	Skills pract	18-16
	Grammar			
K	†WORD RACE:GRAMMAR/WRDSKILL	K - 3	Educ'l game	18-21
	†ASSOCIATIVE IDEA GENERATOR	K - 6	Skills pract	18-22
1	USAGE BONERS	1 - 8	Skills pract	18-23
2	†WORD RACE:AMER THEME,GRAM	2 - 7	Educ'l game	19-02
3	†LIMERICK	3 - 8	Concept demo	19-22
4	STORY BUILDER/WORD MASTER	4 - 7	Skills pract	19-26
	†ENG BASICS PARTS OF SPEECH	4 - 6	Tutorial	20-05
	Punctuation			
2	PUNCTUATION SERIES	2 - 6	Skills pract	21-09
	†COMMA	2 - 12	Skills pract	21-11
	Reading			
K	†WORD DRAW:ANIMALS &THINGS	K - 3	Educ'l game	22-11
	†WORD DRAW: PEOPLE & PLACES	K - 3	Educ'l game	22-12
	†WORD RACE: STORIES/VERSES	K - 3	Educ'l game	22-13
	†WORD ORDER	K - 6	Educ'l game	22-14
	†KEYBOARD	K - 9	Educ'l game	22-15
	†KEYGAME	K - 6	Educ'l game	22-16
	PRESCHOOL IQ BUILDER 2	K - 1	Rote drill	22-24
	WORKING WITH THE ALPHABET	K - 3	Tutorial	22-31
	JUGGLES' RAINBOW	K - 1	Educ'l game	23-05
	ALPHABET	K - 2	Rote drill	23-12
	MY FIRST ALPHABET	K - 8	Tutorial	23-26
1	REVERSE	1 - 12	Educ'l game	24-12
	PHONICS 1-3	1 - 3	Tutorial	24-22
	WORD SCRAMBLE	1 - 4	Skills pract	24-23
	VOWELS E	1 - 4	Skills pract	25-05
2	WORD BLASTER	2 - 6	Skills pract	26-01
	TACHISTOSCOPE	2 - 6	Skills pract	26-09
	†FOTO-FLASH	2 - 16	Rote drill	26-13
	†SYLLABLES	2 - 16	Skills pract	26-14
3	†HOMONYMS	3 - 6	Educ'l game	26-15
	READING COMPREHENSION	3 - 9	Skills pract	26-17
	COMPU-READ	3 - 12	Rote drill	26-23
	ADVENTURES AROUND WORLD	3 - 6	Skills pract	27-01
4	DICTIONARY GUIDE WORDS	4 - 8	Skills pract	27-24
	†RHYMING	4 - 16	Skills pract	27-29
5	CODE BREAKER	5 - 12	Educ'l game	27-31
6	SPEED READ	6 - 14	Skills pract	28-14
7	†ATARI SPEED READING	7 - 14	Skills pract	28-18
	Spelling			
K	†WORD LAUNCH	K - 6	Educ'l game	28-20
	†WORD CRUNCH	K - 6	Educ'l game	28-21
	†VOLCANO	K - 6	Educ'l game	28-22
	†SPELLING GENIE	K - 8	Educ'l game	28-28
1	SPELLING IN CONTEXT LEV. 1	1 - 3	Skills pract	29-02
	SPELLING IN CONTEXT LEV. 2	1 - 3	Skills pract	29-03
	DO-IT-YOURSELF: SPELLING	1 - 12	Rote drill	29-07
	SPELLBOUND	1 - 6	Rote drill	29-19
	HIDDEN WORDS	1 - 8	Educ'l game	29-22
	†RHYMES AND RIDDLES	1 - 4	Educ'l game	29-26
	†MONKEY SEE, MONKEY SPELL	1 - 6	Educ'l game	29-28
2	HANGMAN	2 - 7	Educ'l game	29-29
	SPELLING IN CONTEXT LEV. 3	2 - 4	Skills pract	29-30
	LET'S SPELL	2 - 4	Rote drill	30-02
	WORDS IN CONTEXT SPEL'G A	2 - 2	Skills pract	30-13
	†STUMPED (HANGMAN)	2 - 6	Educ'l game	30-18
3	SPELLING CONTEXT LEV. 4	3 - 5	Skills pract	30-25
	TIME BOMB	3 - 8	Educ'l game	30-30
	WORDS IN CONTEXT SPEL'G B	3 - 3	Skills pract	31-04
4	SPELLING IN CONTEXT LEV. 5	4 - 6	Skills pract	31-11
	WORDS IN CONTEXT SPEL'G C	4 - 4	Skills pract	31-19
5	SPELLING IN CONTEXT LEV. 6	5 - 7	Skills pract	31-25
	WORDS IN CONTEXT SPEL'G D	5 - 5	Skills pract	31-26
6	SPELLING IN CONTEXT LEV. 7	6 - 8	Skills pract	32-01
	WORDS IN CONTEXT SPEL'G E	6 - 6	Skills pract	32-02
7	SPELLING IN CONTEXT LEV. 8	7 - 9	Skills pract	32-10
	SPELLING BUILDER	7 - 12	Tutorial	32-11
8	SPELLING	8 - 12	Skills pract	32-17
	Vocabulary			
K	SPATIAL RELATIONS	K - 1	Skills pract	32-28
	†WORD MEMORY	K - 6	Educ'l game	33-07
1	WORDMAKER	1 - 12	Educ'l game	33-11
2	WORD DEMONS 1- TO/TOO/TWO	2 - 6	Skills pract	33-24
	LETTERMAN - TAPE VERSION	2 - 8	Educ'l game	33-25
	LETTERMAN - DISK VERSION	2 - 8	Educ'l game	33-26
3	MINICROSSWORD	3 - 8	Educ'l game	34-02
	WORD-MATE	3 - 6	Educ'l game	34-05
	FISHING FOR HOMONYMS	3 - 6	Educ'l game	34-06
4	WANTED	4 - 8	Educ'l game	34-24

† This is a new entry in THE SOFTWARE FINDER.

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
	ENGLISH: Vocabulary (CONT)			
5	†VOCABULARY SERIES	5 - 12	Rote drill	35-08
6	GUESSWORD	6 - 10	Educ'l game	35-11
	†WORDWRIGHT	6 - 12	Educ'l game	35-18
7	VOCABULARY BUILDER 1: BEG.	7 - 12	Skills pract	35-23
	VOCABULARY BUILDER 2: ADV.	7 - 12	Skills pract	35-24
	†WORD RACE:WORD RECREATIONS	7 - 12	Educ'l game	35-30
9	SYNONYM SERIES	9 - 12	Skills pract	36-07
	Writing			
K	†STORY MACHINE	K - 4	Educ'l game	36-13
4	†THE BANK STREET WRITER	4 - 12	Word proces'r	36-22
	ENGLISH: Literature			
2	†WORD DRAW: AMER WRITERS	2 - 7	Educ'l game	37-01
	†WORD RACE:AMER THEME, LIT	2 - 7	Educ'l game	37-02
7	†WORD DRAW:WRLD ARD US, LIT	7 - 12	Educ'l game	37-07
	†WORD RACE:WRLD ARD US, LIT	7 - 12	Educ'l game	37-08
9	ASTRO QUOTES	9 - 9	Skills pract	37-09

FINE ARTS: Art

K	†DELTA DRAWING	K - 6	Computl tool	37-16
	†FACEMAKER	K - 3	Educ'l game	37-17
	†JILLS TWINKLE	K - 1	Educ'l game	37-18
	†PICTURE-PLAY	K - 12	Educ'l game	37-19
3	†PAINT	3 - 14	Computl tool	37-22
4	†GRAPHICS COMPOSER	4 - 12	Skills pract	37-24
	†DRAWPIC	4 - 14	Computl tool	37-26
7	†SKETCHPAD	7 - 14	Computl tool	38-01
9	†STEREO 3-D GRAPHICS PACK'G	9 - 12	Computl tool	38-03
	FINE ARTS: Music			
K	†THE MAGIC MELODY BOX	K - 12	Computl tool	38-04
	PLAYER PIANO	K - 8	Computl tool	38-05
1	PLAYER PIANO	1 - 12	Computl tool	38-09
	KEYBOARD ORGAN	1 - 12	Computl tool	38-10
	TONAL ENCOUNTER	1 - 6	Skills pract	38-17
5	†ADVANCED MUSIC SYSTEM	5 - 14	Computl tool	39-06
	†RHYTHM PLAY	5 - 10	Skills pract	39-07
	†VISUAL INTERVALS	5 - 10	Skills pract	39-08
	†MISSING NOTE	5 - 10	Skills pract	39-09
	†AURAL INTERVAL	5 - 10	Skills pract	39-10
	†COUNTING	5 - 10	Rote drill	39-11
	†WRONG NOTE	5 - 10	Skills pract	39-12
	†RHYTHM	5 - 10	Skills pract	39-13
	NOTE TYPES	5 - 12	Rote drill	39-14
	NAME THE NOTE	5 - 12	Rote drill	39-15
	KEY SIGNATURES	5 - 12	Rote drill	39-16
	TERMS	5 - 12	Rote drill	39-17
	ENHARMONICS	5 - 12	Rote drill	39-18
6	†MUSICAL COMP'TR-MUSICTUTOR	6 - 12	Tutorial	39-20
7	MUSIC COMPOSER	7 - 12	Computl tool	39-22
9	MECC MUSIC TERMS/NOTATIONS	9 - 12	Rote drill	39-28

FOREIGN LANGUAGE: French

1	†COUNTER	1 - 3	Skills pract	40-22
9	LANGUAGE TEACHER - FRENCH	9 - 12	Rote drill	42-16
	CONVERSATIONAL FRENCH	9 - 12	Skills pract	42-17
	ASTRO WORD SEARCH: FRENCH	9 - 11	Skills pract	42-19
	FOREIGN LANGUAGE: German			
1	†COUNTER	1 - 3	Skills pract	42-21
9	LANGUAGE TEACHER - GERMAN	9 - 12	Rote drill	43-09
	CONVERSATIONAL GERMAN	9 - 12	Skills pract	43-10
	FOREIGN LANGUAGE: Italian			
	CONVERSATIONAL ITALIAN	9 - 12	Skills pract	43-26
	FOREIGN LANGUAGE: Spanish			
K	†COUNTER	K - 3	Skills pract	44-13
6	†CONVERSATIONAL SPANISH	6 - 14	Skills pract	45-03
8	ASTRO WORD SEARCH: SPANISH	8 - 11	Skills pract	45-17

GUIDANCE: Career Inform'n

7	†CAREER CHOICES	7 - 14	Computl tool	45-25

HEALTH

4	WHAT'S IN YOUR LUNCH?	4 - 12	Concept demo	45-28
	COUNTING CALORIES	4 - 12	Concept demo	46-01

HOME ECONOMICS: Foods

	WHAT'S IN YOUR LUNCH?	4 - 12	Concept demo	47-13
	COUNTING CALORIES	4 - 12	Concept demo	47-14

INDUSTRIAL ARTS: El-trnics/trcty

9	†RESISTORS	9 - 14	Skills pract	48-06

MATHEMATICS

3	PYTHGORAS AND THE DRAGON	3 - 12	Educ'l game	49-03
	MATHEMATICS: Basic Skills			
	Multiple Topics			
K	†EARLY GAMES/YOUNG CHILDREN	K - 2	Educ'l game	49-12
1	CDI MATH LEVEL A	1 - 2	Skills pract	49-21
	CLASSROOM MGT SYST MATH A	1 - 3	Teacher aid	49-22
3	CDI MATH LEVEL B	3 - 4	Skills pract	50-02
4	CLASSROOM MGT SYST MATH B	4 - 8	Teacher aid	50-07
5	CDI MATH LEVEL C	5 - 6	Skills pract	50-09
6	†BASIC MATH COMPETENCY DRIL	6 - 9	Skills pract	50-14
7	†TEAM WORK:WRLD AR US, MATH	7 - 12	Educ'l game	50-16
	Arithmetic			
K	†MATH HUNT:ADDTN/SUBTRACTN	K - 3	Educ'l game	50-21
	†MATH RACE:ADD'TN/SUBTRAC'N	K - 3	Educ'l game	50-22
	†TEAM WORK: MATHEMATICS	K - 3	Educ'l game	50-23
	†TEN LITTLE ROBOTS	K - 1	Skills pract	51-02
	COUNTING BEE	K - 3	Rote drill	51-11
	MATH FACTS - LEVEL I	K - 2	Tutorial	51-12
	†CUBBYHOLES	K - 4	Educ'l game	52-03
	†THREE R MATH SYSTEM	K - 8	Skills pract	52-04
1	MATH GAMES	1 - 3	Educ'l game	52-07
	FACT TRACK	1 - 6	Rote drill	52-24
	CON*PUTATION	1 - 6	Educ'l game	53-01
	NUMBER BLAST	1 - 10	Educ'l game	54-02
	MATH DIVING	1 - 6	Skills pract	54-06
	GALAXY MATH FACTS GAME	1 - 9	Educ'l game	54-11
	GRANDPRIX	1 - 9	Educ'l game	54-12
	†LOOKAHEAD	1 - 12	Educ'l game	54-21
	†PICK IT	1 - 8	Educ'l game	54-22
	†VIDEO MATH FLASH CARDS	1 - 4	Rote drill	54-29
	†GAME DISK #1	1 - 5	Educ'l game	55-02
	†MATH DUEL	1 - 6	Educ'l game	55-03
	†BASIC MATH	1 - 4	Educ'l game	55-04
	†MUSICAL MATH	1 - 4	Educ'l game	55-09
	†BASIC MATH	1 - 3	Tutorial	55-11
	†SHIP'S AHOY - MATH DRILL	1 - 3	Skills pract	55-12
2	DIVISION DRILL	2 - 8	Rote drill	55-28
	MATH PRACTICE	2 - 8	Skills pract	56-23
	ARITHMETIC GAMES	2 - 6	Educ'l game	57-05
	MATH FACTS LEVEL III	2 - 4	Skills pract	57-10
	†MAGIC SQUARES	2 - 0	Skills pract	57-13
	†BIG MATH ATTACK	2 - 6	Educ'l game	57-17
	†MATH HUNT: MATH FACTS, +/-	2 - 7	Educ'l game	57-19
	†MATH HUNT:AMER YRS,MULT/DV	2 - 7	Educ'l game	57-20
	†MATH RACE: AMER THEME, +/-	2 - 7	Educ'l game	57-21
	†MATH RACE:AMER THEME,MULDV	2 - 7	Educ'l game	57-22
	†MATH FOOTBALL	2 - 5	Educ'l game	57-24
3	†MATHEMATIC-TAC-TOE	3 - 10	Skills pract	57-29

† This is a new entry in THE SOFTWARE FINDER.

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
	MATHEMATICS: Arithmetic (CONT)			
	†MATH UFO	3 - 7	Educ'l game	57-30
	SOCCER MATH	3 - 8	Educ'l game	58-05
	MATH FACTS GAMES I	3 - 6	Educ'l game	58-10
	ADDITION WITH CARRYING	3 - 5	Skills pract	58-18
7	NEW SUBTRACTION	7 - 12	Tutorial	59-14
	†MATH HUNT:SCI YRS,MULT/DIV	7 - 12	Educ'l game	59-16
	†MATH RACE: MATH RECREAT'NS	7 - 12	Educ'l game	59-17
	†WORD RACE:WRLD AR US,MULDV	7 - 12	Educ'l game	59-18
	Currency			
2	USING MONEY &MAKING CHANGE	2 - 4	Tutorial	60-03
4	CASH REGISTER	4 - 6	Simulation	60-13
	Decimals/Percts			
	EDU-WARE DECIMALS	4 - 12	Tutorial	61-06
6	DECIMAL ESTIMATION	6 - 12	Skills pract	61-11
7	NUMBER SERIES	7 - 9	Skills pract	61-15
	Factoring			
3	FACTORING TRINOMIALS	3 - 8	Skills pract	61-19
7	†MATH HUNT:SPACE FRONT,PWRS	7 - 12	Educ'l game	62-08
	†MATH RACE:POWERS & ROOTS	7 - 12	Educ'l game	62-09
	Fractions			
2	†MATH HUNT:AMER SPORTS;FRCT	2 - 7	Educ'l game	62-13
4	TYPING FRACTIONS	4 - 12	Tutorial	63-23
	EDU-WARE FRACTIONS	4 - 12	Tutorial	64-07
7	†MATH HUNT:WRLD ARD US,GEOG	7 - 12	Educ'l game	64-22
	Logic			
6	†CODEWORD	6 - 10	Educ'l game	65-05
	Measurement			
5	APPROXIMATE MEASUREMENT 1	5 - 12	Tutorial	65-17
	SMALLEST UNIT OF MEASURE	5 - 12	Tutorial	65-18
6	APPROXIMATE MEASUREMENT 2	6 - 12	Tutorial	65-19
	Numeration			
K	†COUNTER	K - 2	Skills pract	66-01
	MATH HUNT:NUMBER RELATNSHP	K - 3	Educ'l game	66-02
	†MATH RACE:NUMBERS RELAT'N	K - 3	Educ'l game	66-03
1	MATH FACTS LEVEL II	1 - 3	Skills pract	66-23
2	†MATH RACE:AMER THEME,# REL	2 - 7	Educ'l game	66-30
7	†MATH RACE:WRLD AR US,# REL	7 - 12	Educ'l game	67-11
8	NUMBER BASE CONVERSION	8 - 12	Tutorial	67-12
	Time & Distance			
K	HICKORY DICKORY	K - 5	Skills pract	67-15
	TELLING TIME COMPUTER SET	K - 3	Tutorial	67-17
2	†CLOCKFACE	2 - 0	Skills pract	67-30
	MATHEMATICS: Algebra			
3	GUESS THE RULE	3 - 12	Educ'l game	68-16
6	LESSONS IN ALGEBRA	6 - 12	Tutorial	68-20
7	PLOT	7 - 12	Computl tool	68-24
8	BASIC ALGEBRA	8 - 11	Tutorial	69-04
	ALGEBRA I	8 - 12	Skills pract	70-03
	†SOLVING EQUATIONS	8 - 9	Skills pract	70-05
	MATHEMATICS: Analysis			
11	GRAPH IT	11 - 12	Computl tool	71-07
	MATHEMATICS: Consumer Math			
9	TAXING!	9 - 12	Skills pract	71-23
	MATHEMATICS: General Math			
7	SIGN DRILL	7 - 12	Skills pract	71-25
	LASER CHASER	7 - 12	Skills pract	71-26
	MATHEMATICS: Statistics			
10	STATISTICS I	10 - 12	Computl tool	72-26

† This is a new entry in THE SOFTWARE FINDER.

MISCELLANEOUS

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
3	†KNOW YOUR MONEY	3 - 6	Tutorial	73-16
	MISCELLANEOUS: Basic Skills			
K	PRESCHOOL IQ BUILDER	K - 1	Skills pract	73-21
3	†MAZEMAKER	3 - 6	Educ'l game	74-02

SCIENCE

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
9	†SCIENTIFIC NOTATION	9 - 14	Educ'l game	74-10
	SCIENCE: Basic Skills			
2	†WORD RACE: AMER THEME/SCI	2 - 7	Educ'l game	74-11
5	APPROXIMATE MEASUREMENT 1	5 - 12	Tutorial	75-01
6	APPROXIMATE MEASUREMENT 2	6 - 12	Tutorial	75-02
7	†TEAM WORK:WRLD AR US,SCINC	7 - 12	Educ'l game	75-09
	SCIENCE: Astronomy			
6	†BIG DIPPER	6 - 12	Concept demo	75-15
9	†STARWARE	9 - 14	Computl tool	75-29
	SCIENCE: Biology			
4	†FROGMASTER	4 - 12	Educ'l game	76-09
5	CIRCULATION	5 - 8	Tutorial	76-12
	ODELL LAKE	5 - 8	Educ'l game	76-13
	ODELL WOODS	5 - 8	Simulation	76-14
9	POP	9 - 12	Simulation	77-13
	SCIENCE: Chemistry			
11	CHEM LAB SIMULATION #3	11 - 12	Skills pract	79-07
	CHEM LAB SIMULATIONS #1	11 - 12	Simulation	79-08
	React'ns/Equilib			
	CHEM LAB SIMULATION #4	11 - 12	Skills pract	81-20
	SCIENCE: Ecol/Envir Sci			
6	POLLUTE	6 - 12	Simulation	83-29
7	STERL	7 - 12	Simulation	84-01
	TAG	7 - 12	Simulation	84-02
8	ENERGY CZAR	8 - 12	Simulation	84-04
	BUFFALO	8 - 12	Simulation	84-07
10	LIMITS	10 - 12	Simulation	84-17
	SCIENCE: General Science			
7	†WORD DRAW:WRLD ARD US, SCI	7 - 12	Educ'l game	84-26
	†WORD DRAW:WRLD AR US,SPACE	7 - 12	Educ'l game	84-27
	†WORD RACE:WRLD ARD US, SCI	7 - 12	Educ'l game	84-28
	SCIENCE: Physics			
11	PHYSICS	11 - 12	Tutorial	86-13
	Electricity			
	BASIC ELECTRICITY	11 - 12	Tutorial	87-06
	Nucleonics			
6	SCRAM-NUCLEAR POWER PLANT	6 - 12	Simulation	90-02

SOCIAL SCIENCE

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
2	†WORD RACE:AMER THEME,SOCST	2 - 7	Educ'l game	91-04
	†TEAM WORK/AMER THEME,SOCST	2 - 7	Educ'l game	91-05
	SOCIAL SCIENCE: Current Events			
7	†WORD DRAW:WRLD AR US,LEADR	7 - 12	Educ'l game	91-14
8	ENERGY CZAR	8 - 12	Simulation	91-16
11	STREETS OF THE CITY	11 - 12	Educ'l game	91-26
	SOCIAL SCIENCE: Economics			
4	LEMONADE	4 - 12	Educ'l game	92-01
6	KINGDOM	6 - 10	Educ'l game	92-03

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
	SOCIAL SCIENCE: Economics (CONT)			
	SAMPLING	6 - 12	Concept demo	92-04
10	PRINCIPLES OF ECONOMICS	10 - 12	Tutorial	92-10
	SOCIAL SCIENCE: Geography			
2	†WORD DRAW:STATES,CAP,LNDMK	2 - 7	Educ'l game	92-15
4	†GLOBE MASTER	4 - 12	Educ'l game	92-26
	STATES & CAPITALS	4 - 9	Rote drill	92-28
	EUROPEAN COUNTRIES,CAPIT'L	4 - 9	Rote drill	92-29
	ASTRO WORD SEARCH:GEOGRAPH	4 - 8	Skills pract	93-02
	ATLAS OF CANADA	4 - 12	Rote drill	93-12
	MAPS AND GLOBES	4 - 8	Skills pract	93-15
7	†WORD DRAW:WRLD ARD US,GEOG	7 - 12	Educ'l game	94-03
	MAPWARE	7 - 12	Computl tool	94-05
9	†ISOPLETH MAP MAK'G PACKAGE	9 - 14	Computl tool	94-07
	SOCIAL SCIENCE: History			
2	†WORD DRAW:FAMOUS AMERICANS	2 - 7	Educ'l game	94-08
	†WORD DRAW: PRESIDENTS	2 - 7	Educ'l game	94-09
4	†FLAGS OF EUROPE	4 - 12	Rote drill	94-14
	PRESIDENTS OF THE U.S.	4 - 12	Rote drill	94-18
5	†STARS IN THE UNION	5 - 10	Concept demo	94-22
7	†WORD DRAW:WRLD ARD US,HIST	7 - 12	Educ'l game	95-12
	†TEAM WORK:WRLD AR US, HIST	7 - 12	Educ'l game	95-13
	†WORD RACE:WRLD AR US, HIST	7 - 12	Educ'l game	95-14
10	WORLD HISTORY	10 - 12	Tutorial	95-24
	U.S. HISTORY	10 - 12	Tutorial	95-25
	LIMITS	10 - 12	Simulation	95-26
	SOCIAL SCIENCE: Political Science			
9	U.S. GOVERNMENT	9 - 12	Tutorial	96-04
	SOCIAL SCIENCE: Sociology			
10	SOCIOLOGY	10 - 12	Tutorial	96-10
	USPOP	10 - 12	Simulation	96-11

COMMODORE PET/CBM SOFTWARE

BUSINESS: Accountg/Bookg

9	MICROCOMPUTR APPL'NS/ACCTG	9 - 12	Tutorial	4-03
	TESTING PROGRAM/ACCOUNTING	9 - 12	Skills pract	4-04
10	DEPRECIATION	10 - 12	Computl tool	4-08
	BUSINESS: Business Math			
9	TAXING!	9 - 12	Tutorial	4-13
	BANK RECONCILIATION	9 - 12	Computl tool	4-15
10	ANNUITIES	10 - 12	Computl tool	4-16
	LOAN AMORTIZATION	10 - 12	Computl tool	4-17
	BUSINESS: Business Princs			
9	DECISION-MAKING SIMULAT'NS	9 - 12	Simulation	4-21
	BUSINESS: Data Processing			
	NEVADA COBOL	9 - 12	Lang proces'r	4-26
	BUSINESS: Typing			
1	TYPING	1 - 12	Rote drill	5-06
6	MICROTYPING	6 - 12	Rote drill	5-20
7	TYPERIGHT	7 - 12	Tutorial	5-23
	†TYPING STRATEGY	7 - 12	Tutorial	5-24
	†LETTER MAN	7 - 12	Educ'l game	5-25
	BUSINESS: Busin's English			
	WRITING COMPETENCY PROGRAM	7 - 12	Tutorial	6-03

CAREER EDUCATION:

9	TRUCKER	9 - 12	Educ'l game	6-05

COMPREHENSIVE

1	COMPUGRADE	1 - 12	Teacher aid	6-18
	COMPREHENSIVE: Basic Skills			
K	†TEACHER'S PET	K - 2	Skills pract	6-25
1	CONCENTRATION	1 - 12	Educ'l game	7-03
	MEMORY BUILDER: CONCENTR'N	1 - 6	Educ'l game	7-04
	†EDUCATIONAL PACKAGE I	1 - 14	Skills pract	7-06
	COMPREHENSIVE: Author Lang's			
4	†VANILLA PILOT	4 - 12	Author lang	8-30
7	TEACHER'S TOOLKIT	7 - 14	Author lang	9-01
	COMPREHENSIVE: Aptit Test Prep			
	ANALOGIES	7 - 12	Tutorial	9-02
	†SAT VERBAL SKILLS-ETYMO'GY	7 - 12	Tutorial	9-03
	†SAT VERBL SKLS-WRD CATEG'S	7 - 12	Tutorial	9-04
	†SAT VERBAL SKLS-WRD RELAT	7 - 12	Tutorial	9-05
	†SAT VERBAL SKILLS-SYNONYMS	7 - 12	Tutorial	9-06
	†SAT VERBAL SKILLS-ANTONYMS	7 - 12	Tutorial	9-07
	†SAT VERBAL SKILLS-DEFINTNS	7 - 12	Tutorial	9-08
10	COMPETENCY EXAM PREPARAT'N	10 - 12	Tutorial	9-23
	ENGLISH ACHIEVEMENT I-V	10 - 12	Rote drill	9-24
	Multiple Topics			
	COLLEGE BOARD 81/82 PREP'N	10 - 12	Skills pract	9-29
	COMPREHENSIVE: Class Mgt Aids			
K	CMS - NUMBERS & OPERATIONS	K - 6	Teacher aid	10-09
	GRADES	K - 12	Teacher aid	10-10
1	ANALYSIS I & II	1 - 12	Teacher aid	10-14
	TEACHER'S AID	1 - 12	Teacher aid	10-15
	MARKS	1 - 12	Teacher aid	10-29
	QUIZSTAT	1 - 12	Teacher aid	11-01
	READING LEVEL	1 - 12	Teacher aid	11-02
	GRADE AVERAGES	1 - 12	Teacher aid	11-06
	READABILITY INDEX	1 - 12	Teacher aid	11-07
	MEDIA REGISTER	1 - 12	Teacher aid	11-10
	†MASTER GRADES PROGRAM	1 - 12	Teacher aid	11-22
	COMPREHENSIVE: Drill/Test Gens			
	QUESLO - QUESGEN	1 - 12	Teacher aid	12-06
	SCRAMBLE	1 - 12	Skills pract	12-10
	SPELL 'N TIME	1 - 12	Rote drill	12-11
	WORD SEARCH	1 - 12	Skills pract	12-13
	MATCH GAME	1 - 12	Educ'l game	12-14
	FLASH SPELL HELICOPTER	1 - 12	Skills pract	12-19
	THE PUZZLER	1 - 12	Skills pract	12-21
4	STUDY MADE EASY	4 - 12	Rote drill	13-18
6	T,S-SPELL	6 - 12	Rote drill	13-20
7	HANGMAN	7 - 12	Educ'l game	13-22

COMPUTER SCIENCE: Computer Prog'g

2	KIDSTUFF	2 - 12	Lang proces'r	13-29
4	†VANILLA PILOT	4 - 12	Author lang	14-01
6	HOW TO PROGRAM IN BASIC	6 - 14	Tutorial	14-14
7	BASIC/ADVANCED BASIC/OPSYS	7 - 12	Tutorial	14-23
8	STEP BY STEP	8 - 12	Tutorial	15-14
	6502 MACH. LANG. CONCEPTS	8 - 12	Concept demo	15-15
9	†ADV'C BASIC SELF INSTR CSE	9 - 16	Tutorial	16-01
	†BASIC SELF INSTRUCT'N CSE	9 - 16	Tutorial	16-02
	NEVADA COBOL	9 - 12	Lang proces'r	16-10
	COMP SCI/LITERACY: Comput Literacy			
3	INTRO TO MICROCOMPUTERS	3 - 9	Tutorial	16-21
6	COMPUTER DISCOVERY	6 - 12	Tutorial	17-04

† This is a new entry in THE SOFTWARE FINDER.

DRIVER EDUCATION

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
9	YELLOW LIGHT	9 - 12	Simulation	17-10

ENGLISH: Basic Skills

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
4	†ENGLISH BASICS- CONCEPTS	4 - 6	Tutorial	18-07

Grammar

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
1	USAGE BONERS	1 - 8	Skills pract	18-23
	MAKE A SENTENCE	1 - 2	Skills pract	18-24
	†RECOGNIZING NOUNS	1 - 3	Tutorial	18-25
	†RECOGNIZING FULL SENTENCES	1 - 3	Tutorial	18-26
	†RECOGNIZING VERBS	1 - 3	Tutorial	18-27
2	VERBS	2 - 5	Skills pract	18-28
	AGREEM'T OF SUBJECT & VERB	2 - 8	Skills pract	18-30
3	DRAGON GAMES	3 - 6	Educ'l game	19-09
	NOUNS	3 - 5	Skills pract	19-10
	A & AN	3 - 6	Skills pract	19-11
	ENGLISH	3 - 6	Skills pract	19-15
	BASIC LANGUAGE SKILLS	3 - 6	Tutorial	19-16
	RUN-ON SENTENCES	3 - 6	Educ'l game	19-17
4	MUNCHWORD	4 - 9	Educ'l game	19-24
	PART OF SPEECH	4 - 9	Rote drill	19-27
	ADJECTIVES	4 - 9	Skills pract	19-28
	ADVERBS	4 - 9	Skills pract	19-29
	PRONOUNS	4 - 9	Skills pract	19-30
	VERBS	4 - 9	Skills pract	19-31
	NOUNS	4 - 9	Skills pract	20-01
	ADJECTIVES	4 - 9	Skills pract	20-02
	ADVERBS	4 - 9	Skills pract	20-03
	PRONOUNS	4 - 9	Skills pract	20-04
	†ENG BASICS PARTS OF SPEECH	4 - 6	Tutorial	20-05
	SUBJECT & PREDICATE	4 - 10	Skills pract	20-08
	†CLASSES OF NOUNS	4 - 10	Tutorial	20-11
5	THE ADJECTIVE	5 - 10	Educ'l game	20-14
	THE NOUN	5 - 10	Tutorial	20-15
	THE ADVERB	5 - 10	Tutorial	20-16
	THE VERB	5 - 10	Tutorial	20-17
7	†USAGE	7 - 12	Tutorial	20-30
	†GLOSSARY OF USAGE	7 - 12	Tutorial	20-31
	SENTENCE STRUCTURE ERRORS	7 - 12	Skills pract	21-03
	IMPROVING WRITING STYLE	7 - 12	Tutorial	21-04

Punctuation

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
2	PUNCTUATION SERIES	2 - 6	Skills pract	21-09
	†COMMA	2 - 12	Skills pract	21-11
3	CAPITALS	3 - 9	Skills pract	21-12
4	T,S-PUNC	4 - 12	Skills pract	21-16
	COMMA	4 - 9	Skills pract	21-17
	END PUNCTUATION	4 - 8	Tutorial	21-18
5	T,S-HYPHEN	5 - 12	Skills pract	21-20
	THE APOSTROPHE	5 - 9	Tutorial	21-22

Reading

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
K	COLETT	K - 1	Rote drill	22-26
	LETTERS	K - 1	Rote drill	22-27
	LET REC2	K - 1	Rote drill	22-28
	ALPHA HELP	K - 2	Rote drill	22-30
	WORKING WITH THE ALPHABET	K - 3	Tutorial	22-31
	LETTERS AND NUMBERS	K - 2	Skills pract	23-13
	ALPHABET	K - 1	Rote drill	23-18
	MATCHING CAPITAL LETTERS	K - 2	Rote drill	23-23
	MATCHING WORDS	K - 2	Rote drill	23-24
	WHICH LETTER COMES NEXT?	K - 4	Educ'l game	23-25
	†FIND THE NUMBER	K - 1	Rote drill	23-28
1	†LEARN TO UND'STND TITLE PG	1 - 6	Tutorial	24-06
	†MR READWELL-PRIMARY GRADE	1 - 4	Skills pract	24-08
	SPEED READING & COMPREH'N	1 - 12	Skills pract	24-10
	REVERSE	1 - 12	Educ'l game	24-12
	RHYME WAR	1 - 3	Educ'l game	24-13
	ALPHA ROCKET	1 - 6	Educ'l game	24-14
	CONSONANT-VOWEL-CONSONANT	1 - 3	Skills pract	24-28
	READ THE RIDDLE	1 - 9	Skills pract	25-04
2	†HOMONYMS I	2 - 3	Tutorial	25-15
	†HOMONYMS II	2 - 3	Tutorial	25-16
	†LEARN TO USE TABL OF CONTS	2 - 6	Tutorial	25-17
	†DICTIONARY SKILLS	2 - 6	Tutorial	25-18
	†LEARN TO UNDSTN COPYRT NOT	2 - 6	Tutorial	25-19
	ACTIVE READER-WORLD/NATURE	2 - 5	Skills pract	26-08
	TACHISTOSCOPE	2 - 6	Skills pract	26-09
	READING RACER ONE	2 - 6	Skills pract	26-10
	†FOTO-FLASH	2 - 16	Rote drill	26-13
	†SYLLABLES	2 - 16	Skills pract	26-14
3	†SEQUENCING SAM, PRIMARY GR	3 - 4	Skills pract	26-16
	READING COMPREHENSION	3 - 9	Skills pract	26-17
	SYLLABLES	3 - 6	Skills pract	26-18
	NEWBERY WINNERS	3 - 8	Skills pract	26-19
	DIASCRIPTIVE READING	3 - 8	Skills pract	26-21
	ADVENTURES AROUND WORLD	3 - 6	Skills pract	27-01
	CLOZE COMPREHENSION DEVEL	3 - 6	Skills pract	27-02
	FINISH THE STORY	3 - 8	Skills pract	27-03
4	†USING PHONICS IN CONTEXT	4 - 6	Skills pract	27-04
	†READG FOR COMPREHENS SER'S	4 - 12	Tutorial	27-05
	†GAME POWER FOR PHONICS	4 - 10	Educ'l game	27-06
	†GAME POWER FOR PHONICS	4 - 12	Educ'l game	27-07
	†SEQUENCING SAM-INTERMED GR	4 - 6	Skills pract	27-08
	†MR READWELL-INTERMED GRDS	4 - 6	Skills pract	27-09
	CRYPTO	4 - 10	Educ'l game	27-21
	SCRAMBLED LETTERS	4 - 9	Educ'l game	27-22
	STRANGE ENCOUNTERS	4 - 6	Skills pract	27-23
	DICTIONARY GUIDE WORDS	4 - 8	Skills pract	27-24
	†WORD FUNCTIONS PART II	4 - 12	Tutorial	27-25
	†WORD FUNCTIONS PART I	4 - 12	Tutorial	27-26
	†RHYMING	4 - 16	Skills pract	27-29
5	CODE BREAKER	5 - 12	Educ'l game	27-31
	HOW TO READ-CONTENT AREAS	5 - 8	Tutorial	28-01
	†HOW TO IDENTIFY MAIN IDEA	5 - 12	Skills pract	28-07
	†HOW TO DRAW CONCLUSIONS	5 - 12	Skills pract	28-08
	†HOW TO PUT THINGS IN ORDER	5 - 12	Skills pract	28-09
	†REVIEW OF 4 BASIC SKILLS	5 - 12	Skills pract	28-10
	†BASIC SKILLS PRACTICE A-D	5 - 12	Skills pract	28-11
	†HOW TO RECALL DETAILS	5 - 12	Skills pract	28-12

Spelling

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
1	SPELL-FIND	1 - 6	Rote drill	29-08
	LOOK 'N SPELL	1 - 6	Rote drill	29-09
	CONWAR	1 - 4	Educ'l game	29-10
	BASEBALL SPELL	1 - 6	Educ'l game	29-11
	FLASH SPELLING	1 - 6	Rote drill	29-13
	SPELLING PACKAGE	1 - 12	Rote drill	29-17
	THE SPELLING PROGRAM	1 - 12	Skills pract	29-18
2	EXACTOSPELL	2 - 10	Rote drill	30-01
	CONTRACTION	2 - 4	Educ'l game	30-03
	SPELLING	2 - 6	Rote drill	30-08
	WORDS IN CONTEXT SPEL'G A	2 - 2	Skills pract	30-13
3	FINISH THE WORD	3 - 6	Test genrat	30-22
	SPELLING BEE	3 - 10	Rote drill	30-27
	MISSPELL	3 - 6	Rote drill	31-01
	WORDS IN CONTEXT SPEL'G B	3 - 3	Skills pract	31-04
	†WORD ZAPPER SERIES	3 - 5	Tutorial	31-10
4	WORD	4 - 8	Educ'l game	31-12
	SPELLTRONICS	4 - 9	Skills pract	31-13
	CONTRACTIONS	4 - 9	Skills pract	31-14
	WORDS IN CONTEXT SPEL'G C	4 - 4	Skills pract	31-19
	SPELLING DEMONS	4 - 12	Rote drill	31-20
5	WORDS IN CONTEXT SPEL'G D	5 - 5	Skills pract	31-26
6	WORDS IN CONTEXT SPEL'G E	6 - 6	Skills pract	32-02
7	SPELLING - GRADE 7	7 - 7	Rote drill	32-08
	†SPELLING I	7 - 12	Tutorial	32-14
	†SPELLING II	7 - 12	Tutorial	32-15
8	SPELLING - GRADE 8	8 - 8	Rote drill	32-18
9	SPELLING - GRADE 9	9 - 9	Rote drill	32-19
10	SPELLING - GRADE 10	10 - 10	Rote drill	32-21
11	SPELLING - GRADE 11	11 - 11	Rote drill	32-24
12	SPELLING - GRADE 12	12 - 12	Rote drill	32-25

Vocabulary

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
K	FOLDIR I	K - 3	Skills pract	32-26
	FOLDIR II	K - 3	Skills pract	32-27
	ALEXANDER THE GREAT	K - 8	Educ'l game	33-01

† This is a new entry in THE SOFTWARE FINDER.

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
	ENGLISH: Vocabulary (CONT)			
	THE HANGMAN KIT	K - 12	Educ'l game	33-02
1	CONCEN SYAN	1 - 6	Educ'l game	33-08
	JUMBLE RACE	1 - 6	Educ'l game	33-09
	TIC JUMBLE	1 - 6	Educ'l game	33-10
	ANTONYM MACHINE	1 - 6	Rote drill	33-16
	HOMONYM MACHINE	1 - 8	Rote drill	33-17
	HANGMAN	1 - 8	Educ'l game	33-18
2	WORD DEMONS 1- TO/TOO/TWO	2 - 6	Skills pract	33-24
3	BLENDS AND ENDS	3 - 8	Skills pract	34-09
	WORD FACTORY	3 - 6	Skills pract	34-16
	VOCABULARY BUILDERS	3 - 8	Tutorial	34-17
4	LANGUAGE PRACTICE	4 - 12	Skills pract	34-21
	SYNONYMS	4 - 9	Skills pract	34-23
	WORD DEMONS 3	4 - 8	Skills pract	34-27
	WORD DEMONS 5	4 - 9	Tutorial	34-28
	WORD DEMONS 4	4 - 9	Tutorial	34-29
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† This is a new entry in THE SOFTWARE FINDER.

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	SYSTEM	7 - 12	Rote drill	75-04

† This is a new entry in THE SOFTWARE FINDER.

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
	SCIENCE: Basic Skills (CONT)			
	EXPO	7 - 12	Tutorial	75-05
6	APPROXIMATE MEASUREMENT 2	6 - 12	Tutorial	75-02
7	METRIC	7 - 12	Rote drill	75-03
	SYSTEM	7 - 12	Rote drill	75-04
	EXPO	7 - 12	Tutorial	75-05
10	INTERP	10 - 12	Simulation	75-11
	SCIENCE: Astronomy			
1	THE SOLAR SYSTEM	1 - 2	Tutorial	75-12
7	CONSTELLATIONS	7 - 12	Tutorial	75-16
	CONSTELLATIONS	7 - 12	Tutorial	75-20
	SCIENCE: Biology			
1	OUR BODIES	1 - 3	Tutorial	76-03
2	†PLANTS AND HOW THEY GROW	2 - 3	Tutorial	76-06
3	INSECTS	3 - 5	Tutorial	76-07
	CELLS	3 - 9	Tutorial	76-08
5	†THE HUMAN BODY:AN OVERVIEW	5 - 12	Tutorial	76-16
	†THE HUMAN SKELETON	5 - 12	Tutorial	76-17
7	MALARIA	7 - 12	Simulation	76-20
	HEART LAB	7 - 12	Simulation	76-21
9	POP	9 - 12	Simulation	77-01
	COMPETE	9 - 12	Simulation	77-02
	POP	9 - 12	Simulation	77-13
	GENETICS	9 - 12	Skills pract	77-14
	DIFFUSION	9 - 12	Tutorial	77-15
	COEXIST	9 - 12	Simulation	77-18
10	LINKOVER	10 - 12	Simulation	78-22
	EVOLUT	10 - 12	Simulation	78-23
	DIHYBRID	10 - 12	Simulation	78-26
	CHROMOSOME	10 - 12	Simulation	78-27
	NATURAL SELECTION	10 - 12	Simulation	78-28
	GENETIC DRIFT	10 - 12	Simulation	78-29
	MONOHYBRID	10 - 12	Simulation	78-30
	EVOLUTION	10 - 12	Simulation	79-01
	SCIENCE: Chemistry			
9	BALANCING CHEM'L EQUATIONS	9 - 12	Tutorial	79-04
	Nucleonics			
11	NUCLER	11 - 12	Skills pract	79-10
	RADIOACTIVITY - HALF LIFE	11 - 12	Simulation	79-11
	Acid-Base Chem			
	BRONSTD	11 - 12	Rote drill	79-18
	DRILL 2	11 - 12	Skills pract	79-19
	DRILL 1	11 - 12	Skills pract	79-20
	KHP	11 - 12	Skills pract	79-21
	ENDPT	11 - 12	Simulation	79-22
	BUFFER	11 - 12	Concept demo	79-23
	pH CONCEPT	11 - 12	Skills pract	79-25
	Atomic Structure			
	ELEMENT	11 - 12	Rote drill	80-04
	ATOMIC	11 - 12	Rote drill	80-05
	LEWIS	11 - 12	Rote drill	80-06
	IONS	11 - 12	Rote drill	80-07
	IP - IONIZATION ENERGIES	11 - 12	Skills pract	80-08
	SPDF	11 - 12	Skills pract	80-09
	MILKAN	11 - 12	Simulation	80-10
	CHEMDATA	11 - 12	Data retr'val	80-13
	Analytical Chem			
	EXP19	11 - 12	Simulation	80-15
	EXP20	11 - 12	Simulation	80-16
	Formulas/Comp'ds			
	MOLWT	11 - 12	Skills pract	80-18
	MOLARITY	11 - 12	Skills pract	80-21
	GRAM-MOLECULAR MASS	11 - 12	Skills pract	80-22
	FORMULAS OF COMPOUNDS DRIL	11 - 12	Skills pract	80-23
	MOLALITY CONCEPT	11 - 12	Skills pract	80-24
	MOLE CONCEPT	11 - 12	Skills pract	80-25
	SYMBOLS & VALENCES DRILL	11 - 12	Skills pract	80-26
	NAMING COMPOUNDS DRILL	11 - 12	Skills pract	80-27
	CHEMISTRY ANALYSIS I	11 - 12	Computl tool	80-28
	Miscellaneous			
	H2S	11 - 12	Skills pract	80-29
	React'ns/Equilib			
	EQPROB	11 - 12	Skills pract	81-11
	LECHAT	11 - 12	Skills pract	81-12
	EQCALC	11 - 12	Skills pract	81-13
	HIEQ	11 - 12	Simulation	81-14
	HABER	11 - 12	Simulation	81-15
	EQUIL	11 - 12	Simulation	81-16
	ABEQ	11 - 12	Simulation	81-17
	HABER	11 - 12	Simulation	81-18
	RKINET	11 - 12	Simulation	81-19
	Oxid-Reduc Chem			
	REDOX	11 - 12	Skills pract	81-22
	EMF OF ELECTROCHEM'L CELLS	11 - 12	Skills pract	81-23
	Solutions			
	PERCENT CONCENTRATION	11 - 12	Skills pract	81-26
	CHEMISTRY ANALYSIS II	11 - 12	Computl tool	81-27
	KSP-2	11 - 12	Skills pract	81-28
	KSP	11 - 12	Skills pract	82-01
	SOLUBLE	11 - 12	Skills pract	82-02
	NORMALITY CONCEPT	11 - 12	Skills pract	82-04
	States of Matter			
	THERMODYNAMICS II	11 - 12	Skills pract	82-08
	GENERAL GAS LAW	11 - 12	Skills pract	82-09
	SPECIFIC GAS LAWS	11 - 12	Skills pract	82-10
	THERMODYNAMICS I	11 - 12	Skills pract	82-11
	GAS LAW ANALYSIS	11 - 12	Computl tool	82-12
	STATE	11 - 12	Simulation	82-13
	BOYLE'S LAW	11 - 12	Simulation	82-16
	CHARLES' LAW	11 - 12	Simulation	82-17
	Stoichiometry			
	STOICHIOMETRY: GENERAL	11 - 12	Skills pract	82-19
	STOICHIOMETRY: MASS/MASS	11 - 12	Skills pract	82-20
	STOICHIOMETRY: MASS/VOLUME	11 - 12	Skills pract	82-21
	STOICHIOMETRY:VOL/VOL	11 - 12	Skills pract	82-22
	STOICHIOMETRIC ANALYSIS	11 - 12	Computl tool	82-23
	DENSITY	11 - 12	Skills pract	82-24
	SCIENCE: Earth Science			
2	†WORLD DESERT REGIONS	2 - 4	Tutorial	82-25
	†WORLD MOUNTAIN REGIONS	2 - 4	Tutorial	82-26
	†EARTH & ITS COMPOSITION	2 - 4	Tutorial	82-27
3	THE WEATHER SCIENCE KIT	3 - 8	Tutorial	83-01
9	WATER	9 - 12	Simulation	83-22
	SCIENCE: Ecol/Envir Sci			
6	POLUT	6 - 12	Simulation	83-27
	POLLUTE	6 - 12	Simulation	83-29
7	RATS	7 - 12	Simulation	83-30
	STERL	7 - 12	Simulation	84-01
	TAG	7 - 12	Simulation	84-02
8	MALARIA	8 - 12	Simulation	84-08
10	ECOLOGICAL MODELING	10 - 12	Simulation	84-15
	LIMITS	10 - 12	Simulation	84-17
	SCIENCE: General Science			
6	ATOMS	6 - 7	Tutorial	84-24
	SCIENCE: Natural History			
1	†LIVING THINGS	1 - 3	Tutorial	85-02
3	†LIFE IN THE OCEANS	3 - 4	Tutorial	85-04
4	†BIRDS	4 - 5	Tutorial	85-06
	†MAMMALS	4 - 5	Tutorial	85-07
	SCIENCE: Physical Science			
1	†MATTER AND ENERGY	1 - 3	Tutorial	85-08
3	†ELECTRICITY	3 - 4	Tutorial	85-09

† This is a new entry in THE SOFTWARE FINDER.

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
SCIENCE: Physical Scienc (CONT)				
5	†MATTER	5 - 6	Tutorial	85-10
	†ENERGY AT WORK	5 - 6	Tutorial	85-11
SCIENCE: Physics				
11	VECTOR ANALYSIS I	11 - 12	Skills pract	86-12
	VECTOR ANALYSIS II	11 - 12	Computl tool	86-19
Electricity				
5	LIGHT	5 - 6	Tutorial	86-20
10	STATIC CHARGES	10 - 12	Skills pract	86-22
	FIELD INTENSITY	10 - 12	Skills pract	86-23
11	SERIES CIRCUIT ANALYSIS	11 - 12	Skills pract	86-25
	PHOTOELECTRIC EFFECT	11 - 12	Skills pract	87-01
	SERIES/PARALLEL CIRCUITS	11 - 12	Skills pract	87-02
	ELECTRIC FIELD ANALYSIS	11 - 12	Skills pract	87-03
	FARADAY'S LAW	11 - 12	Skills pract	87-04
	PARAL'L CIRCUIT ANALYSIS I	11 - 12	Skills pract	87-05
	CAPACITOR	11 - 12	Skills pract	87-11
	INDUCTION	11 - 12	Skills pract	87-12
	OHM'S LAW	11 - 12	Skills pract	87-13
	MILLIKAN'S EXPERIMENT I	11 - 12	Simulation	87-14
	MILLIKAN'S EXPERIMENT II	11 - 12	Simulation	87-15
Heat				
10	TEMPERATURE CONVERSION	10 - 12	Skills pract	87-19
	THERMAL EXPANSION - LINEAR	10 - 12	Skills pract	87-20
11	HEAT SOLVER	11 - 12	Computl tool	87-21
	LATENT HEAT	11 - 12	Computl tool	87-22
	HEATS OF FUSION &VAPORIZ'N	11 - 12	Skills pract	87-24
	SPECIFIC HEAT CAPACITY	11 - 12	Skills pract	87-25
	CALORIMETRY	11 - 12	Skills pract	87-26
	CALORIMETRY ANALYSIS	11 - 12	Computl tool	88-01
Light				
10	ILLUMINATION	10 - 12	Skills pract	88-04
	CURVED MIRRORS	10 - 12	Skills pract	88-05
11	PHOTOMETRY	11 - 12	Skills pract	88-09
	SPEED OF LIGHT	11 - 12	Skills pract	88-10
	POWER OF A MICROSCOPE	11 - 12	Skills pract	88-11
	PHOTON INTERFERENCE	11 - 12	Simulation	88-12
	REFRACTION OF LIGHT	11 - 12	Skills pract	88-14
	TOTAL INTERNAL REFLECTION	11 - 12	Skills pract	88-15
	MIRRORS & LENSES	11 - 12	Skills pract	88-16
	OPTICS ANALYSIS	11 - 12	Computl tool	88-17
Mechanics				
10	INCLINED PLANE I	10 - 12	Skills pract	88-21
	PROJECTILE I	10 - 12	Skills pract	88-22
11	NEWTON	11 - 12	Simulation	88-29
	AVERAGE VELOCITY	11 - 12	Tutorial	89-08
	AVERAGE SPEED	11 - 12	Tutorial	89-09
	INTRO MECHANICS DRILL PKG	11 - 12	Skills pract	89-10
	WAVES IN LIN. MEDIUM-INTRO	11 - 12	Simulation	89-11
	GRAVITAT'L POTENT'L ENERGY	11 - 12	Simulation	89-12
	ACCELERAT'N DUE TO GRAVITY	11 - 12	Simulation	89-13
	LINEAR AIR TRK-ELAST COLIS	11 - 12	Simulation	89-14
	TARGET PRACTICE	11 - 12	Educ'l game	89-16
	OSCILLATOR	11 - 12	Simulation	89-18
	ALPHAMOON	11 - 12	Simulation	89-19
	FLIGHTPATH	11 - 12	Simulation	89-20
	PROJECTILE ANALYSIS	11 - 12	Computl tool	89-24
	PULLEY SYSTEMS - MACHINES	11 - 12	Skills pract	89-25
	MOMENTUM AND ENERGY	11 - 12	Skills pract	89-26
	INELASTIC COLLISIONS	11 - 12	Skills pract	89-27
	ENERGY &THE INCLINED PLANE	11 - 12	Skills pract	89-28
	PROJECTILE MOTION	11 - 12	Skills pract	89-29
	PULLEY SYSTEM - MACHINES	11 - 12	Skills pract	89-30
	CENTRIPETAL FORCE	11 - 12	Skills pract	89-31
	LINEAR KINEMATICS	11 - 12	Skills pract	90-01
Nucleonics				
	SCATTER	11 - 12	Simulation	90-03
	SCHRODINGER	11 - 12	Computl tool	90-07
Sound				
5	SOUND	5 - 6	Tutorial	90-09
10	LOUDNESS	10 - 12	Skills pract	90-10
11	LIGHTNING	11 - 12	Skills pract	90-11
	MACH NUMBER	11 - 12	Skills pract	90-12
	ECHOES	11 - 12	Skills pract	90-13
Waves				
10	WAVES	10 - 12	Skills pract	90-16
11	WAVES IN LIN. MED-SUPERPOS	11 - 12	Simulation	90-20
	SUPERPOSITION PACKAGE	11 - 12	Concept demo	90-21
	WAVE DEMONSTRATIONS	11 - 12	Concept demo	90-22
	PERIODIC MOTION	11 - 12	Tutorial	90-23
	PERIODIC WAVES: BASICS	11 - 12	Tutorial	90-24
	PERIOD WAVES-INTERF/STANDG	11 - 12	Tutorial	90-25
	TRANSVERSE STANDING WAVES	11 - 12	Skills pract	90-26
	LONGITUDINAL STAND'G WAVES	11 - 12	Skills pract	90-27
SCIENCE: Technology Educ				
1	†TRANSPORTATION	1 - 3	Tutorial	90-28
5	†COMMUNICATIONS	5 - 6	Tutorial	90-29

SOCIAL SCIENCE

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
1	†YOUR COMMUNITY	1 - 3	Tutorial	91-01
	SOCIAL STUDIES - FARM LIFE	1 - 2	Tutorial	91-02
	HOLIDAYS AND FESTIVALS	1 - 3	Tutorial	91-03
2	†COMMUNITY HELPERS	2 - 3	Tutorial	91-06
SOCIAL SCIENCE: Civics/Govern't				
7	POLICY	7 - 12	Computl tool	91-10
SOCIAL SCIENCE: Current Events				
9	USPOP	9 - 12	Simulation	91-18
11	STREETS OF THE CITY	11 - 12	Educ'l game	91-26
SOCIAL SCIENCE: Economics				
6	SAMPLING	6 - 12	Concept demo	92-04
	KINGDOM	6 - 12	Educ'l game	92-07
7	SANTA PARAVIA & FIUMACCIO	7 - 12	Educ'l game	92-09
SOCIAL SCIENCE: Geography				
1	†BEGINNING GEOGRAPHY	1 - 3	Tutorial	92-13
	WORLD POLAR REGIONS	1 - 3	Tutorial	92-14
3	TIC-TAC STATES	3 - 6	Rote drill	92-16
4	†STATES OF THE U.S.	4 - 6	Tutorial	92-23
	†THE STATES GAME	4 - 10	Educ'l game	92-27
	ASTRO WORD SEARCH:GEOGRAPH	4 - 8	Skills pract	93-02
	NATIONS	4 - 8	Rote drill	93-08
	GEOGRAPHICAL NEIGHBORS	4 - 12	Skills pract	93-09
	MAPS AND GLOBES	4 - 8	Skills pract	93-15
	STATES AND CAPITALS	4 - 8	Rote drill	93-16
	REGIONS OF THE U.S.	4 - 9	Rote drill	93-17
	TOURING"GET HERE TO THERE"	4 - 12	Educ'l game	93-18
6	†REGIONS OFTHE UNITEDSTATES	6 - 9	Skills pract	93-31
SOCIAL SCIENCE: History				
3	AMERICAN HISTORY - BIOG'S	3 - 5	Tutorial	94-10
4	†WHO BUILT AMERICA	4 - 5	Tutorial	94-12
	†GROWTH OF UNITED STATES	4 - 5	Tutorial	94-13
	AMERICAN INDIANS	4 - 6	Tutorial	94-15
	TRAIL WEST	4 - 10	Educ'l game	94-19
	PRESIDENTS	4 - 10	Rote drill	94-20
5	†THE MIDDLE AGES	5 - 6	Tutorial	94-23
	ANCIENT CIVILIZATIONS	5 - 12	Skills pract	95-01
	OCEANS & CONTINENTS	5 - 12	Skills pract	95-02
	EARLY HUMANS	5 - 6	Tutorial	95-03
	EARLY CIVILIZATIONS	5 - 6	Tutorial	95-04
6	†LINCOLN'S DECISION	6 - 9	Simulation	95-05
7	†WORD RACE:WRLD AR US, HIST	7 - 12	Educ'l game	95-14
8	FUR TRADER	8 - 11	Educ'l game	95-19
9	†THE DECADES GAME I,II,III	9 - 12	Educ'l game	95-21
10	LIMITS	10 - 12	Simulation	95-26
	REVOLUTIONARY WAR QUIZ	10 - 12	Educ'l game	95-27
SOCIAL SCIENCE: Political Science				
6	HAT IN THE RING-PRES ELECT	6 - 12	Educ'l game	95-28
7	POLICY	7 - 12	Simulation	95-29
	ANNAM-STUDY DEVEL COUNTRY	7 - 12	Simulation	95-30

† This is a new entry in THE SOFTWARE FINDER.

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
	SOCIAL SCIENCE: Political Scien (CONT)			
9	ELECTORAL COLLEGE	9 - 12	Simulation	96-06
	SOCIAL SCIENCE: Sociology			
10	USPOP	10 - 12	Simulation	96-11

SPECIAL EDUCATION

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
1	THE SPELLING PROGRAM	1 - 12	Skills pract	96-17

COMMODORE VIC-20 SOFTWARE

BUSINESS: Business Princs

5	†VIC LEMONADE	5 - 12	Educ'l game	4-18
	BUSINESS: Typing			
4	†TYPING TUTOR/WORD INVADERS	4 - 12	Tutorial	5-16
5	†TYPE ATTACK	5 - 12	Educ'l game	5-19
7	†TYPING STRATEGY	7 - 12	Tutorial	5-24
	†LETTER MAN	7 - 12	Educ'l game	5-25
	†TOUCH TYPING TUTOR 3.0	7 - 12	Skills pract	5-26

COMPREHENSIVE: Author Lang's

	TEACHER'S TOOLKIT	7 - 14	Author lang	9-01
	COMPREHENSIVE: Drill/Test Gens			
1	†MICRO SPELL	1 - 12	Rote drill	12-23
9	†FLASH CARD QUIZ & MAKER	9 - 12	Rote drill	13-24

DRIVER EDUCATION

	LANE IDENTIFICATION	9 - 12	Skills pract	17-11
10	†DRIVER ED-DRIVER'S TEST	10 - 14	Test genrat	17-13
	†DRIVER EDUCATION-SIGNS	10 - 14	Skills pract	17-14
	†DRIVER EDUCATION-SIGNALS	10 - 14	Skills pract	17-15
	†DRIVER ED-LANE IDENTIFIC'N	10 - 14	Skills pract	17-16

ENGLISH: Basic Skills

Grammar

1	USAGE BONERS	1 - 8	Skills pract	18-23
3	IDENTIFY COMPLETE SENTENCE	3 - 5	Skills pract	19-07
4	ENGLISH INVADERS	4 - 9	Educ'l game	19-25

Reading

K	†HUNT & PECK	K - 2	Skills pract	22-10
	ALPHABET	K - 1	Rote drill	23-18
	MATCHING CAPITAL LETTERS	K - 2	Rote drill	23-23
	†HUNT AND PECK	K - 2	Rote drill	24-04
1	†MR READWELL-PRIMARY GRADE	1 - 4	Skills pract	24-08
	MATCH SMALL/CAP LETTERS	1 - 3	Rote drill	24-20
	†READING COMPREHENSION,SETB	1 - 4	Skills pract	25-07
	†READING COMPREHENSION,SETC	1 - 4	Skills pract	25-08
	†TYPE TO READ, SET B	1 - 4	Rote drill	25-09
	†TYPE TO READ, SET C	1 - 4	Rote drill	25-10
	†TYPE TO READ, SET D	1 - 4	Rote drill	25-11
	†READING COMPREHENSION,SETA	1 - 4	Skills pract	25-12
	†TYPE TO READ, SET A	1 - 4	Rote drill	25-13
	†READING COMPREHENSION,SETD	1 - 4	Skills pract	25-14
2	†CATCH THE RHYMING FISH	2 - 5	Skills pract	26-12
3	†SEQUENCING SAM, PRIMARY GR	3 - 4	Skills pract	26-16
4	†SEQUENCING SAM-INTERMED GR	4 - 6	Skills pract	27-08
	†MR READWELL-INTERMED GRDS	4 - 6	Skills pract	27-09

Spelling

K	†WHICH LETTER IS MISSING?	K - 3	Rote drill	28-29
2	†EXTRA PRACTICE SPELL'G G-2	2 - 3	Rote drill	30-16
	†WORD GUESS SPELL'G SER'S A	2 - 3	Educ'l game	30-17
	†SPELLING AID LEVELS 3 & 4	2 - 5	Rote drill	30-20
3	MISSPELL	3 - 6	Rote drill	31-01
	†PLURAL NOUNS	3 - 6	Skills pract	31-05
	†EXTRA PRACTICE SPELL'G G-3	3 - 4	Rote drill	31-06
	†WORD GUESS SPELL'G SER'S B	3 - 4	Educ'l game	31-07
	†WORD ZAPPER SERIES	3 - 5	Tutorial	31-10
4	†EXTRA PRACTICE SPELL'G G-4	4 - 5	Rote drill	31-22
	†WORD GUESS SPELL'G SER'S C	4 - 5	Educ'l game	31-23
	†SPELLING AID LEVEL 5 & 6	4 - 7	Rote drill	31-24
5	†EXTRA PRACTICE SPELL'G G-5	5 - 6	Rote drill	31-28
	†WORD GUESS SPELL'G SER'S D	5 - 6	Educ'l game	31-29
6	†EXTRA PRACTICE SPELL'G G-6	6 - 7	Rote drill	32-03
	†WORD GUESS SPELL'G SER'S E	6 - 7	Educ'l game	32-04
	†SPELLING AID LEVEL 7 & 8	6 - 9	Rote drill	32-06

Vocabulary

5	†VOCABULARY SERIES	5 - 12	Rote drill	35-08

Writing

1	STORYBOARD	1 - 12	Author lang	36-15

FINE ARTS: Art

	†ETCH A VIC	1 - 12	Computl tool	37-20

FOREIGN LANGUAGE: French

5	†FRENCH SPELLING L'VLS 1&2	5 - 12	Rote drill	41-03
	FOREIGN LANGUAGE: German			
	†GERMAN SPELLING L'VLS 1&2	5 - 12	Rote drill	42-22

MATHEMATICS: Basic Skills

Multiple Topics

K	†EARLY GAMES/YOUNG CHILDREN	K - 2	Educ'l game	49-12

Arithmetic

1	ADD	1 - 4	Rote drill	53-06
	MATH BID	1 - 6	Skills pract	53-14
	TARGET MATH	1 - 6	Skills pract	53-15
	NUMBER JUMPER	1 - 4	Skills pract	54-07
	†MATH TEST	1 - 4	Skills pract	52-20
	†ADDITION INVADERS	1 - 4	Educ'l game	55-01
2	MATH SHOOTOUT	2 - 6	Educ'l game	55-18
	†SUM IT MOUNTAIN	2 - 5	Educ'l game	55-27
	†TWO MINUTE WARNING	2 - 6	Educ'l game	55-29
	†SLAM DUNK	2 - 5	Educ'l game	55-31
	†SUBTRACTION INVADERS	2 - 4	Educ'l game	56-02
	MULTIPLICATION INVADERS	2 - 6	Educ'l game	56-10
	MULTIPLY	2 - 6	Rote drill	56-11
	†MICRO MATH BLASTER	2 - 4	Educ'l game	57-18
3	†SECTOR-FIVE	3 - 8	Educ'l game	58-01
	†PINBALL IQ	3 - 6	Educ'l game	58-02
	†LAST OF THE NINTH	3 - 6	Educ'l game	58-03
	MEDAL WINNER	3 - 6	Educ'l game	58-07
	HORSE DIVISION	3 - 6	Educ'l game	58-12
	NUMBOWL	3 - 8	Educ'l game	58-16

† This is a new entry in THE SOFTWARE FINDER.

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	MATHEMATICS: Arithmetic (CONT)			
	†SIX SECOND CLUB	3 - 6	Skills pract	58-25
4	†BACKFIRE	4 - 6	Educ'l game	58-28
	†FAT CHANCE	4 - 8	Skills pract	58-29
	Currency			
3	†A DOLLAR AND CHANGE	3 - 6	Educ'l game	60-05
	Decimals/Percts			
4	†BELL RINGER	4 - 6	Skills pract	60-17
	†LIGHTS OUT	4 - 8	Educ'l game	60-18
5	†LAWN OF THE LOST RINGS	5 - 8	Educ'l game	61-08
	Equations			
2	†MATH BALANCE	2 - 5	Skills pract	61-16
	Factoring			
3	†PRIME FISHIN'	3 - 6	Educ'l game	61-17
	†FABUL LCM MACH/JACKPOT MIN	3 - 6	Educ'l game	61-18
4	†OIL WELL	4 - 8	Author lang	61-20
	†PRIME NUMBERS	4 - 7	Tutorial	61-21
	Fractions			
3	†PUMPING IRON	3 - 8	Skills pract	62-15
	†TUTTI FRUTTI	3 - 8	Skills pract	62-16
4	†BRANDED	4 - 6	Skills pract	62-21
	†PARTING SHOTS	4 - 6	Educ'l game	62-22
	†FUN FRACTIONS	4 - 9	Skills pract	64-10
5	†UPS 'N DOWNS	5 - 8	Educ'l game	64-11
	†ON THE LINE	5 - 8	Skills pract	64-12
	†PAIL GREEN	5 - 8	Educ'l game	64-13
	Number Senten's			
2	†MATH BALANCE	2 - 4	Skills pract	65-23
3	†CATERPILLAR 500	3 - 5	Educ'l game	65-24
4	†MATH GOLF	4 - 6	Educ'l game	65-26
	Numeration			
K	COUNT 'EM	K - 1	Rote drill	66-09
3	†PRIME NUMBERS	3 - 7	Tutorial	67-05
	MATHEMATICS: Algebra			
4	†ALGEBRA	4 - 10	Tutorial	68-18
	†ALGEBRA	4 - 10	Educ'l game	68-19
6	†QUADRATIC EQUATION	6 - 12	Educ'l game	68-21

SCIENCE

	CONVERSIONS	6 - 12	Computl tool	74-06
	SCIENCE: Physics			
	VECTORS	6 - 12	Computl tool	86-01

SOCIAL SCIENCE: Geography

4	MAPS AND GLOBES	4 - 8	Skills pract	93-15
	SOCIAL SCIENCE: History			
	TRAIL WEST	4 - 10	Educ'l game	94-19
7	†WORD RACE:WRLD AR US, HIST	7 - 12	Educ'l game	95-14

COMMODORE 64 SOFTWARE

BUSINESS: Typing

7	†TOUCH TYPING TUTOR 64	7 - 12	Skills pract	6-01

ENGLISH: Basic Skills

	Reading			
K	†FIND THE NUMBER	K - 1	Rote drill	23-28
1	†MR READWELL-PRIMARY GRADE	1 - 4	Skills pract	24-08
3	†SEQUENCING SAM, PRIMARY GR	3 - 4	Skills pract	26-16
4	†SEQUENCING SAM-INTERMED GR	4 - 6	Skills pract	27-08
	†MR READWELL-INTERMED GRDS	4 - 6	Skills pract	27-09
	Spelling			
3	†WORD ZAPPER SERIES	3 - 5	Tutorial	31-10

FOREIGN LANGUAGE: French

4	†ER VERB TUTORIAL	4 - 9	Tutorial	40-23
	†ER VERB DRILL	4 - 9	Rote drill	40-24
	†RE VERB TUTORIAL	4 - 9	Tutorial	40-25
	†ER-RE VERB DRILL	4 - 9	Rote drill	40-26
	†IR VERB TUTORIAL	4 - 10	Tutorial	40-27
	†ER-RE-IR VERB DRILL	4 - 10	Rote drill	40-28
	†SUBJECT PRONOUN DRILL	4 - 9	Rote drill	40-29
	†IRREGULAR VERB DRILL #1	4 - 10	Rote drill	41-01
6	†IRREGULAR VERB DRILL #2	6 - 12	Rote drill	41-05

MATHEMATICS: Basic Skills

	Arithmetic			
3	†SIX SECOND CLUB	3 - 6	Skills pract	58-25
	Numeration			
K	†COUNT THE SQUARES	K - 2	Rote drill	65-27
	†HOW MANY SQUARES	K - 2	Rote drill	65-28

† This is a new entry in THE SOFTWARE FINDER.

BUSINESS

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
7	†WORD COMMANDER - BUSINESS	7 - 12	Rote drill	4-01
	BUSINESS: Accountg/Bookg			
9	MICROCOMPUTR APPL'NS/ACCTG	9 - 12	Tutorial	4-03
	TESTING PROGRAM/ACCOUNTING	9 - 12	Skills pract	4-04
	BUSINESS PACKAGE III	9 - 12	Concept demo	4-05
10	T-ACCOUNTS	10 - 12	Skills pract	4-06
	DEPRECIATION	10 - 12	Computl tool	4-08
11	ACCOUNTING I	11 - 12	Tutorial	4-11
	ACCOUNTING II	11 - 12	Tutorial	4-12
	BUSINESS: Business Math			
9	TAXING!	9 - 12	Tutorial	4-13
	BANK RECONCILIATION	9 - 12	Computl tool	4-15
10	ANNUITIES	10 - 12	Computl tool	4-16
	LOAN AMORTIZATION	10 - 12	Computl tool	4-17
	BUSINESS: Business Princs			
7	MARKET	7 - 12	Educ'l game	3-19
8	MARKET	8 - 12	Educ'l game	4-20
9	DECISION-MAKING SIMULAT'NS	9 - 12	Simulation	4-21
	PROFIT AND LOSS	9 - 12	Simulation	4-22
	BUSINESS: Data Processing			
	NEVADA COBOL	9 - 12	Lang proces'r	4-26
	BUSINESS: Office Practice			
	10 KEY DRILL	9 - 12	Skills pract	5-03
10	NUMERIC DATA ENTRY PRACT	10 - 12	Skills pract	5-04
	BUSINESS: Shorthand			
9	STENO	9 - 12	Skills pract	5-05
	BUSINESS: Typing			
1	TYPING	1 - 12	Rote drill	5-06
2	TYPING TEACHER	2 - 12	Tutorial	5-07
4	TYPING TUTOR	4 - 12	Skills pract	5-09
	MICROTYPING	4 - 12	Tutorial	5-11
	†TYPING TUTOR	4 - 12	Skills pract	5-15
5	TYPING-TUTOR	5 - 12	Skills pract	5-17
6	TOUCH TYPING	6 - 12	Skills pract	5-21
	BUSINESS: Busin's English			
7	WRITING COMPETENCY PROGRAM	7 - 12	Tutorial	6-03

CAREER EDUCATION

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
9	TRUCKER	9 - 12	Educ'l game	6-05
	AIR TRAFFIC CONTROLLER	9 - 12	Educ'l game	6-06
	†NEW ON THE JOB	9 - 14	Tutorial	6-07
	†INTERVIEWING	9 - 14	Tutorial	6-08
	†SELF CONCEPT AND YOUR WORK	9 - 14	Tutorial	6-09
	†PART-TIME JOBS	9 - 14	Tutorial	6-10
	†HOW TO GET AND HOLD A JOB	9 - 14	Tutorial	6-11
	†THE JOB AND YOU	9 - 14	Tutorial	6-12
10	SIGI-INTERACTIVE GUIDANCE	10 - 12	Data retr'val	6-13
	COIN: THE CAREER SEARCH	10 - 12	Data retr'val	6-14
	COIN: THE COLLEGE SEARCH	10 - 12	Data retr'val	6-15

COMPREHENSIVE: Basic Skills

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
K	†COMPUTER CONCENTRATION	K - 4	Educ'l game	6-24
	†TEACHER'S PET	K - 2	Skills pract	6-25
1	CONCENTRATION	1 - 12	Educ'l game	7-03
	MEMORY BUILDER: CONCENTR'N	1 - 6	Educ'l game	7-04
	INDIVIDUAL STUDY CENTER	1 - 12	Skills pract	7-05
	†EDUCATIONAL PACKAGE I	1 - 14	Skills pract	7-06
5	MIND-STEP 1	5 - 12	Tutorial	7-13
6	MIND STEP 2	6 - 12	Tutorial	7-14
	COMPREHENSIVE: Statistics			
4	BAR GRAPH	4 - 12	Computl tool	7-16
8	SAP-SURVEY ANALYSIS PKG	8 - 12	Computl tool	7-18
	COMPREHENSIVE: Author Lang's			
1	AUTHOR 1 PRESENTATION	1 - 12	Author lang	8-07
	TRS-80 AUTHOR I	1 - 12	Author lang	8-08
	MicroPILOT	1 - 12	Author lang	8-09
	AIDS	1 - 12	Author lang	8-10
3	CAI AUTHOR'G SYST-EXTENDED	3 - 12	Author lang	8-24
	CAIWARE	3 - 12	Author lang	8-25
	SUPER-CAI	3 - 12	Author lang	8-26
	CAIWARE-2D	3 - 12	Author lang	8-27
	CAIWARE-3D	3 - 12	Author lang	8-28
7	TEACHER'S TOOLKIT	7 - 14	Author lang	9-01
	COMPREHENSIVE: Aptit Test Prep			
	ANALOGIES	7 - 12	Tutorial	9-02
9	†GED-100	9 - 12	Tutorial	9-16
10	COMPETENCY EXAM PREPARAT'N	10 - 12	Tutorial	9-23
	†S.A.T. TUTOR	10 - 12	Tutorial	9-25
	†WORD COMMANDER	10 - 14	Rote drill	9-26
	†PREP - 100	10 - 12	Tutorial	9-27
	Multiple Topics			
	COLLEGE BOARD 81/82 PREP'N	10 - 12	Skills pract	9-29
	COMPREHENSIVE: Comput'l Tools			
4	†EASY TEXT	4 - 14	Text proces'r	10-02
	COMPREHENSIVE: Class Mgt Aids			
K	SANTA CLARA CMS	K - 3	Teacher aid	10-08
	CMS - NUMBERS & OPERATIONS	K - 6	Teacher aid	10-09
1	†GEN INSTRUCT'L MGT SYSTEM	1 - 14	Teacher aid	10-16
	COMP MGT SYST FOR READING	1 - 6	Teacher aid	10-17
	†GRADEKEEPER	1 - 14	Teacher aid	10-18
	READING LEVEL ANALYSIS-DSK	1 - 12	Teacher aid	10-25
	GRADEBOOK	1 - 12	Teacher aid	10-27
	QUIZSTAT	1 - 12	Teacher aid	11-01
	READING LEVEL	1 - 12	Teacher aid	11-02
	GRADE AVERAGES	1 - 12	Teacher aid	11-06
	READABILITY INDEX	1 - 12	Teacher aid	11-07
	CLASSFILE	1 - 12	Teacher aid	11-08
	TEXTBOOK EVALUATOR	1 - 12	Teacher aid	11-09
	MMICRO	1 - 9	Teacher aid	11-14
	READING ANALYSIS	1 - 12	Teacher aid	11-16
	TEACHER'S GRADEBOOK	1 - 12	Teacher aid	11-17
	†GRADEBOOK	1 - 12	Teacher aid	11-20
	†DIAGNOSTIC PRESCRIPT SYSTM	1 - 10	Teacher aid	11-23
2	†WORD LIST COMPARISON	2 - 14	Teacher aid	12-02
	COMPREHENSIVE: Drill/Test Gens			
1	†TEST WRITER	1 - 14	Test genrat	12-04
	TESTRITE	1 - 12	Test genrat	12-09
	SCRAMBLE	1 - 12	Skills pract	12-10
	SPELL 'N TIME	1 - 12	Rote drill	12-11
	MATCH GAME	1 - 12	Educ'l game	12-14
	†MICRO SPELL	1 - 12	Rote drill	12-23
	†EXAM BUILDER	1 - 12	Test genrat	12-26
2	QUICK QUIZ	2 - 12	Test genrat	12-28
	†VOCABULARY DEVELOPMENT	2 - 14	Rote drill	13-01
	†MICRO QUIZ II	2 - 12	Rote drill	13-02
	†MICROTEST	2 - 3	Test genrat	13-03
	†MICRO CAI	2 - 12	Rote drill	13-04
3	T.E.S.T.	3 - 12	Test genrat	13-06
	TESTWRITE	3 - 12	Test genrat	13-07
	SPELLING	3 - 12	Rote drill	13-08
8	STUDY BREAK	8 - 12	Rote drill	13-23

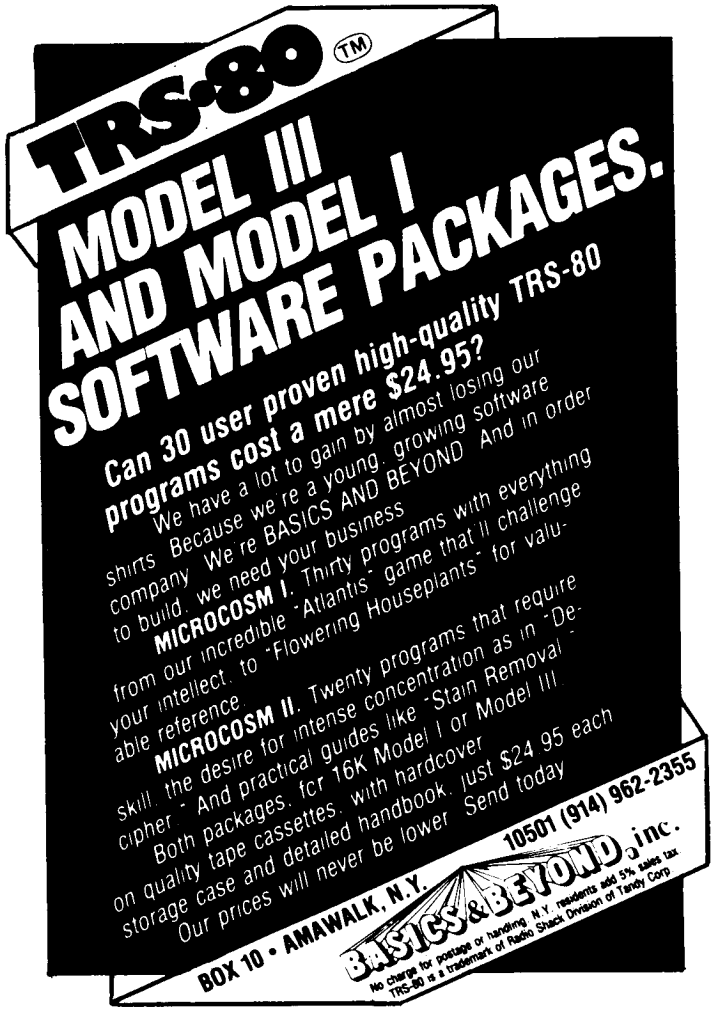
COMPUTER SCIENCE: Computer Prog'g

LOW GRADE	PRODUCT NAME	GRADE LEVEL RANGE	APPLICATION TYPE	PAGE
4	MICRO-PILOT	4 - 12	Lang proces'r	14-05
5	†BASIC LOGO	5 - 12	Lang proces'r	14-08
6	HOW TO PROGRAM IN BASIC	6 - 14	Tutorial	14-14
7	†FAST BASIC	7 - 12	Concept demo	14-16

† This is a new entry in THE SOFTWARE FINDER.

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
	COMP SCI/LITERACY: Computer Prog'g (CONT)			
	PERSONAL PEARL	7 - 12	Lang proces'r	14-22
	PROGRAMMER'S PRIMER	7 - 12	Tutorial	15-06
9	NEVADA COBOL	9 - 12	Lang proces'r	16-10
	COMP SCI/LITERACY: Computer Science			
4	MICRO DISCOVERY	4 - 8	Tutorial	16-13
7	SIMULATED COMPUTER	7 - 12	Simulation	16-19
8	NUMBER BASE CONVERSION	8 - 12	Skills pract	16-20
	COMP SCI/LITERACY: Comput Literacy			
3	INTRO TO MICROCOMPUTERS	3 - 9	Tutorial	16-21
5	†UNDERSTANDING COMPUTERS	5 - 12	Tutorial	17-02
6	COMPUTER DISCOVERY	6 - 12	Tutorial	17-04
7	COMPUTER DISCOVERY	7 - 12	Concept demo	17-06
	DRIVER EDUCATION			
10	†DRIVER'S AID	10 - 14	Tutorial	17-12
	ENGLISH: Basic Skills			
1	†FUNBUNCH 1/COMPUTER DOODLE	1 - 2	Skills pract	18-02
3	†FUNBUNCH 2/COMPUTER DOODLE	3 - 4	Skills pract	18-06
4	†ENGLISH BASICS- CONCEPTS	4 - 6	Tutorial	18-07
5	COMPUCROSTICS	5 - 12	Educ'l game	18-09
	†FUNBUNCH 3/COMPUTER DOODLE	5 - 6	Skills pract	18-10
7	†FUNBUNCH	7 - 8	Skills pract	18-17
	†FUNBUNCH 4/MAZE-EATING-MAN	7 - 8	Skills pract	18-18
	Grammar			
2	PERSON, PLACE, THING	2 - 5	Skills pract	18-31
	NOUN RECOGNITION	2 - 8	Skills pract	19-01
3	PAST TENSE/PRESENT TENSE	3 - 12	Skills pract	19-06
	DRAGON GAMES	3 - 6	Educ'l game	19-09
	BASIC LANGUAGE SKILLS	3 - 6	Tutorial	19-16
	ADJECTIVE RECOGNITION	3 - 8	Skills pract	19-18
	ADVERB RECOGNITION	3 - 8	Skills pract	19-19
	PRONOUN RECOGNITION	3 - 8	Skills pract	19-20
	†BASIC ENGLISH	3 - 9	Skills pract	19-21
	†LIMERICK	3 - 8	Concept demo	19-22
4	VERBS	4 - 9	Skills pract	19-31
	NOUNS	4 - 9	Skills pract	20-01
	ADJECTIVES	4 - 9	Skills pract	20-02
	ADVERBS	4 - 9	Skills pract	20-03
	PRONOUNS	4 - 9	Skills pract	20-04
	†ENG BASICS PARTS OF SPEECH	4 - 6	Tutorial	20-05
	TENNIS ANYONE, PLURALS	4 - 12	Educ'l game	20-06
	†GRAMMAR AND WRITING	4 - 12	Tutorial	20-07
	VERB RECOGNITION	4 - 8	Skills pract	20-10
5	ENGLISH USAGE EXERCISES I	5 - 8	Skills pract	20-12
	ENGLISH USAGE EXERCISES II	5 - 8	Skills pract	20-13
	†POSSESSIVE CASE	5 - 10	Skills pract	20-18
	†VERB TENSES	5 - 10	Tutorial	20-19
	†PREPOSITIONS & CONJUNCT'NS	5 - 10	Skills pract	20-20
	†NOUNS	5 - 10	Skills pract	20-21
	†PRONOUNS	5 - 10	Skills pract	20-22
	†PHRASES AND CLAUSES	5 - 10	Skills pract	20-23
	†WORD CHOICE	5 - 10	Skills pract	20-24
	†ADJECTIVES	5 - 10	Skills pract	20-25
	†VERB AND ADVERBS	5 - 10	Tutorial	20-26
6	ENGLISH USAGE EXER'S III	6 - 9	Skills pract	20-27
	†ENGLISH GRAMMAR	6 - 9	Skills pract	20-29
7	POSSESSIVE CASE	7 - 9	Tutorial	21-01
	Punctuation			
1	FUND'L PUNCTUAT'N PRACTICE	1 - 8	Skills pract	21-07
	†PUNCT'N & CAPITAL'N LV/1&2	1 - 2	Skills pract	21-08
2	†PUNCT'N & CAPITAL'N LEV 3	2 - 4	Skills pract	21-10
	†COMMA	2 - 12	Skills pract	21-11
3	†PUNCT'N & CAPITAL'N LEV 4	3 - 5	Skills pract	21-15
4	†PUNCT'N & CAPITAL'N LEV 5	4 - 6	Skills pract	21-19
5	TANK TACKTICS CONTRACTIONS	5 - 12	Educ'l game	21-21
	†PUNCT'N & CAPITAL'N LEV 6	5 - 6	Skills pract	21-23

† This is a new entry in THE SOFTWARE FINDER.



LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
	Reading			
K	†WORD ORDER	K - 6	Educ'l game	22-14
	†KEYBOARD	K - 9	Educ'l game	22-15
	†KEYGAME	K - 6	Educ'l game	22-16
	†ALPHA II	K - 1	Educ'l game	22-18
	†LETTERS	K - 1	Tutorial	22-19
	†LET'S ALPHABETIZE	K - 1	Skills pract	22-20
	†WHAT'S DIFFERENT	K - 2	Skills pract	22-21
	STORY MIX - PROGRAM 1	K - 3	Skills pract	22-22
	ALPHAKEY	K - 1	Skills pract	22-23
	WORKING WITH THE ALPHABET	K - 3	Tutorial	22-31
	SEQUENCE & ALPHABETIZING	K - 6	Skills pract	23-03
	ALPHA	K - 3	Educ'l game	23-06
	SPACE WASTE RACE	K - 3	Educ'l game	23-07
	BETTER VIEW A ZOO	K - 3	Educ'l game	23-08
	ALPHA KEY	K - 1	Tutorial	23-09
	MISSING LETTER	K - 1	Rote drill	23-14
	UPPER/LOWER CASE MATCHING	K - 1	Rote drill	23-16
	ABC SEQUENCE	K - 1	Rote drill	23-17
	LEARN TO READ	K - 4	Rote drill	23-19
	LETTER RECOGNITION	K - 1	Rote drill	23-20
	STORY TELLING	K - 4	Skills pract	23-21
	RIGHT READING	K - 1	Skills pract	23-22
	NAME THAT LETTER	K - 3	Educ'l game	23-27
	†WORD PICTURE	K - 2	Rote drill	23-29
	†CUSTOMIZED ALPHABET DRILL	K - 2	Skills pract	24-02
	†ALPHABET,SEQUENCE&ALPHAB'G	K - 2	Skills pract	24-03
1	†JACK AND JILL	1 - 2	Skills pract	24-09

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
ENGLISH: Reading (CONT)				
	REVERSE	1 - 12	Educ'l game	24-12
	READ'G READINESS: VIS DISC	1 - 6	Rote drill	24-18
	SPATIAL RELATIONSHIPS	1 - 6	Skills pract	24-19
	BIKE STORY	1 - 2	Educ'l game	24-21
	LONG/SHORT VOWEL SPACE SHP	1 - 2	Educ'l game	24-26
	BUS STORY	1 - 4	Skills pract	24-27
	INSTRUCT'L READ'G- VISUAL	1 - 12	Rote drill	24-29
	INSTRUCT'L READING- VOICE	1 - 12	Rote drill	24-30
	PHONICS & WORD ATTACK	1 - 4	Skills pract	24-31
	TUTORIAL COMPREHENSION	1 - 6	Skills pract	25-01
	FUNDAMENTAL WORD FOCUS	1 - 6	Skills pract	25-02
	HILS2 READING MGT PROGRAM	1 - 6	Teacher aid	25-03
	†FUND'L PHONICS&WORD ATTACK	1 - 4	Skills pract	25-06
2	REMEMBER'G NUMBERS/LETTERS	2 - 8	Rote drill	25-31
	WORD BLASTER	2 - 6	Skills pract	26-01
	SYLLABLE BREAKAWAY	2 - 4	Rote drill	26-04
	HOMONYM JUGGLER	2 - 4	Skills pract	26-05
	COMPOUND WORD MATCHUP	2 - 4	Rote drill	26-06
	ALPHABETIZING	2 - 4	Skills pract	26-07
	ACTIVE READER-WORLD/NATURE	2 - 5	Skills pract	26-08
	†TUTORIAL COMPREHENSION	2 - 6	Tutorial	26-11
	†FOTO-FLASH	2 - 16	Rote drill	26-13
	†SYLLABLES	2 - 16	Skills pract	26-14
3	†HOMONYMS	3 - 6	Educ'l game	26-15
	READING COMPREHENSION	3 - 9	Skills pract	26-17
	NEWBERY WINNERS	3 - 8	Skills pract	26-19
	DIASCRIPTIVE READING	3 - 8	Skills pract	26-21
	CUB REPORTER	3 - 6	Skills pract	26-24
	ADVENTURES AROUND WORLD	3 - 6	Skills pract	27-01
	CLOZE COMPREHENSION DEVEL	3 - 6	Skills pract	27-02
4	†USING PHONICS IN CONTEXT	4 - 6	Skills pract	27-04
	†GAME POWER FOR PHONICS	4 - 10	Educ'l game	27-06
	†GAME POWER FOR PHONICS	4 - 12	Educ'l game	27-07
	HMRS: STUDENT RECORDS SYST	4 - 6	Teacher aid	27-11
	C.A.R.D. 1: SENTENCES	4 - 6	Tutorial	27-12
	HMRS READING SERIES	4 - 6	Skills pract	27-13
	INTERMED READ'G SKLS BLS85	4 - 12	Tutorial	27-14
	WORD RECOGNITION	4 - 6	Educ'l game	27-20
	CRYPTO	4 - 10	Educ'l game	27-21
	SCRAMBLED LETTERS	4 - 9	Educ'l game	27-22
	STRANGE ENCOUNTERS	4 - 6	Skills pract	27-23
	†HOMONYMS IN CONTEXT	4 - 6	Skills pract	27-27
	†COMPREHENSION	4 - 6	Skills pract	27-28
	†RHYMING	4 - 16	Skills pract	27-29
5	†VIDEO SPEED READ'G TRAIN'G	5 - 12	Skills pract	27-30
	HOW TO READ-CONTENT AREAS	5 - 8	Tutorial	28-01
	GETTING SENTENCE MEANINGS	5 - 10	Skills pract	28-02
	USING CONTEXT CLUES	5 - 12	Skills pract	28-03
	SEEING CAUSE AND EFFECT	5 - 10	Skills pract	28-04
	CATEGORIZ'G WORDS, PHRASES	5 - 10	Skills pract	28-05
	DETERMINING FACT & OPINION	5 - 10	Skills pract	28-06
7	WORDSKILL FOR THE MICRO	7 - 12	Educ'l game	28-17
Spelling				
K	†WORD LAUNCH	K - 6	Educ'l game	28-20
	†WORD CRUNCH	K - 6	Educ'l game	28-21
	†VOLCANO	K - 6	Educ'l game	28-22
	†SCRAMBLE	K - 3	Skills pract	28-23
	LEARN TO SPELL	K - 4	Rote drill	28-25
	WORD COMPLETION	K - 1	Rote drill	28-27
	WORD COMPLETION	K - 1	Rote drill	28-27
1	SPELL-BOUND	1 - 12	Rote drill	29-01
	SPELLING IN CONTEXT LEV. 1	1 - 3	Skills pract	29-02
	SPELLING IN CONTEXT LEV. 2	1 - 3	Skills pract	29-03
	U-SPELL	1 - 12	Rote drill	29-04
	SPELLING II	1 - 6	Rote drill	29-05
	SPELLING I	1 - 6	Rote drill	29-06
	FLASH SPELLING	1 - 6	Rote drill	29-13
	SPELLING TUTOR	1 - 12	Rote drill	29-14
	SPELLING "TOODER"	1 - 12	Rote drill	29-15
	CUSTOMIZED FLASH SPELLING	1 - 12	Rote drill	29-20
	WORDS FOR THE WISE	1 - 6	Skills pract	29-24
	†CUSTOMIZED "FLASH"SPELLING	1 - 12	Rote drill	29-27
2	SPELLING IN CONTEXT LEV. 3	2 - 4	Skills pract	29-30
	STEPS TO SPELL'G-BREAKTHRU	2 - 12	Rote drill	30-06
	SPELLING	2 - 6	Rote drill	30-08
	SPE-L	2 - 4	Educ'l game	30-11
	LISTEN & SPELL WH-TH WORDS	2 - 4	Skills pract	30-12
	†SPEL'G DEMONS;COMP SP DOWN	2 - 9	Rote drill	30-14
	†ELEMENTARY SPELLING	2 - 6	Skills pract	30-21
3	SPELLING-DRILL	3 - 12	Rote drill	30-23
	CLIFFHANGER	3 - 10	Educ'l game	30-24
	SPELLING CONTEXT LEV. 4	3 - 5	Skills pract	30-25
	ABAGELS	3 - 9	Educ'l game	30-28
	HANGMAN & SCRAMBLE	3 - 12	Skills pract	30-29
	CONTRACTIONS	3 - 5	Skills pract	30-31
	HANGMAN	3 - 9	Educ'l game	31-02
	TEST YOUR SPELLING	3 - 8	Rote drill	31-03
	†SPELLING	3 - 9	Rote drill	31-08
4	SPELLING IN CONTEXT LEV. 5	4 - 6	Skills pract	31-11
	SPELLTRONICS	4 - 9	Skills pract	31-13
	CONTRACTIONS	4 - 9	Skills pract	31-14
	TANK TACTICS	4 - 8	Educ'l game	31-16
	SPELLING - GRADE 4	4 - 8	Rote drill	31-17
	SPELLING - GRADE 5	4 - 8	Rote drill	31-18
	†HANGMAN	4 - 8	Educ'l game	31-21
5	SPELLING IN CONTEXT LEV. 6	5 - 7	Skills pract	31-25
	†PUNCTUAT'N & CAPITALIZAT'N	5 - 10	Skills pract	31-27
	†STEPS TO SPELLNG BRKTHRU 2	5 - 12	Skills pract	31-30
6	SPELLING IN CONTEXT LEV. 7	6 - 8	Skills pract	32-01
	†SPELLING BREAKTHROUGH	6 - 12	Skills pract	32-05
7	CONTRACTIONS	7 - 9	Tutorial	32-07
	SPELLING-REVIEW	7 - 12	Rote drill	32-09
	SPELLING IN CONTEXT LEV. 8	7 - 9	Skills pract	32-10
	SPELLING BUILDER	7 - 12	Tutorial	32-11
	SPELLING RULES	7 - 9	Tutorial	32-12
	†STEPS TO SPELLNG BRKTHRU 3	7 - 12	Skills pract	32-13
	†JUNIOR HIGH SPELLING	7 - 9	Skills pract	32-16
9	SPELLING - GRADE 9	9 - 9	Rote drill	32-19
	SPELLING-BEE	9 - 12	Educ'l game	32-20
10	†SENIOR HIGH SPELLING	10 - 12	Rote drill	32-23
Vocabulary				
K	LEARN MORE WORDS	K - 4	Rote drill	32-29
	WORD RECOGNITION	K - 1	Skills pract	32-30
	SOUNDS LIKE	K - 4	Skills pract	32-31
	ALEXANDER THE GREAT	K - 8	Educ'l game	33-01
	†WORD MEMORY	K - 6	Educ'l game	33-07
1	HANGMAN	1 - 8	Educ'l game	33-18
2	COMPOUND WORD MATCHUP	2 - 4	Skills pract	33-21
	THANKSGIVING CROSSWORD	2 - 4	Educ'l game	33-22
	WORDSWORTH	2 - 12	Educ'l game	33-23
	WORD SCRAMBLE	2 - 8	Educ'l game	33-27
	WORD PUZZLE	2 - 9	Educ'l game	33-28
	†WORD COMMANDER-ELEMTRY A-D	2 - 6	Rote drill	33-31
3	MINICROSSWORD	3 - 8	Educ'l game	34-02
	DIETING DINOSAUR(ELEM'TRY)	3 - 6	Educ'l game	34-03
	HORRIBLE HOMONYMS	3 - 12	Tutorial	34-04
	CODE RHYME	3 - 8	Educ'l game	34-07
	TEST YOUR VOCABULARY	3 - 8	Skills pract	34-15
	WORD FACTORY	3 - 6	Skills pract	34-16
	VOCABULARY BUILDERS	3 - 8	Tutorial	34-17
	†VOCABULARY	3 - 12	Rote drill	34-18
4	CROSS-WORD-PUZZLER	4 - 12	Educ'l game	34-20
	LANGUAGE PRACTICE	4 - 12	Skills pract	34-21
	HARDSCRABBLE	4 - 12	Educ'l game	34-26
	†VOCABULARY DEVELOPMENT A	4 - 6	Skills pract	34-30
5	RIDDLE ME THIS, HOMONYMS	5 - 12	Educ'l game	35-01
	PIX-PEK-PUT SUFFIXES I	5 - 12	Educ'l game	35-02
6	HOMONYMS	6 - 12	Skills pract	35-09
	SYNONYMS AND ANTONYMS	6 - 12	Skills pract	35-10
	KEY LINGO	6 - 12	Educ'l game	35-12
	THE CHAMBERS OF VOCAB	6 - 12	Educ'l game	35-13
	TRICKSTER COYOTE	6 - 12	Educ'l game	35-14
	†VOCABULARY DEVELOPMENT B	6 - 9	Skills pract	35-17
7	PREFIX-STUDY-AND-QUIZ	7 - 12	Tutorial	35-21
	SUFFIX-STUDY-AND-QUIZ	7 - 12	Tutorial	35-22
	VOCABULARY BUILDER 1: BEG.	7 - 12	Skills pract	35-23
	VOCABULARY BUILDER 2: ADV.	7 - 12	Skills pract	35-24
	DIETING DINOSAUR(MID SCHL)	7 - 8	Educ'l game	35-25
	PIC-PEK-PUT, BASE WORDS	7 - 12	Skills pract	35-28
	PREFIX SUFFIX	7 - 9	Tutorial	35-29
	†WORD COMMANDER- JR HIGH	7 - 9	Rote drill	36-01
9	VOCABULARY BUILDER	9 - 12	Rote drill	36-03
	†WORD COMMANDER - SR HIGH	9 - 12	Skills pract	36-08

† This is a new entry in THE SOFTWARE FINDER.

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
Writing				
K	NURSERY TIME	K - 2	Skills pract	36-14
2	STORY STARTER	2 - 6	Skills pract	36-16
	†ORGANIZED WRITING/MR WRITE	2 - 6	Tutorial	36-17
3	POETRY WRITING	3 - 9	Skills pract	36-19
4	†GRAMMAR AND WRITING	4 - 12	Tutorial	36-24
5	SEQUENCE EVENTS	5 - 10	Skills pract	36-26
ENGLISH: Literature				
9	ASTRO QUOTES	9 - 9	Skills pract	37-09
	SYLLOGISTIC LOGIC	9 - 12	Skills pract	37-10

FINE ARTS: Art

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
3	COMPU-ART	3 - 8	Computl tool	37-23
4	†SKETCH-A-DRAWING	4 - 12	Computl tool	37-25
6	COMPUTA-DOODLE	6 - 12	Computl tool	37-28
FINE ARTS: Music				
1	MUSIC READING	1 - 12	Rote drill	38-11
4	ORGAN	4 - 12	Computl tool	39-03
	KEYNOTE	4 - 12	Computl tool	39-05
5	COMPUTER-COMPOSER	5 - 12	Concept demo	39-19
7	MUSIC-TRANSPOSITION	7 - 12	Computl tool	39-23
1	†MUSIC THEORY	1 - 12	Tutorial	40-09

FOREIGN LANGUAGE: French

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
6	†LA GUILLOTINE	6 - 9	Educ'l game	41-07
	†PRESENT TENSE OF REG VERBS	6 - 8	Skills pract	41-10
	†ANTONYMS & SYNONYMS	6 - 12	Educ'l game	41-14
7	FRENCH DELICACY	7 - 8	Educ'l game	42-07
9	LANGUAGE TEACHER - FRENCH	9 - 12	Rote drill	42-16
	ASTRO WORD SEARCH: FRENCH	9 - 11	Skills pract	42-19
FOREIGN LANGUAGE: German				
6	†ANTONYMS	6 - 12	Educ'l game	42-25
9	LANGUAGE TEACHER - GERMAN	9 - 12	Rote drill	43-09
	REFLEXIVE PRONOUNS	9 - 12	Skills pract	43-11
	POSSESSIVE PRONOUNS	9 - 12	Skills pract	43-12
	MODAL (AUXILIARY) VERBS	9 - 12	Skills pract	43-13
	SEPARABLE PREFIX VERBS	9 - 12	Skills pract	43-14
	PERSONAL PRONOUN	9 - 12	Skills pract	43-15
	COMPARA/SUPERLATIVE, ADJ'S	9 - 12	Skills pract	43-16
	BASIC VERBS	9 - 12	Skills pract	43-17
	ADJECTIVES	9 - 12	Skills pract	43-18
	NOUNS	9 - 12	Skills pract	43-19
	ADVERBS AND CONJUNCTIONS	9 - 12	Skills pract	43-20
	SEIN AND HABEN	9 - 12	Skills pract	43-21
	STRONG AND IRREGULAR VERBS	9 - 12	Skills pract	43-22
FOREIGN LANGUAGE: Italian				
	LANGUAGE TEACHER - ITALIAN	9 - 12	Rote drill	43-25
FOREIGN LANGUAGE: Latin				
7	ROMAN BANQUET	7 - 8	Educ'l game	43-27
FOREIGN LANGUAGE: Russian				
9	EVERYDAY RUSSIAN	9 - 12	Tutorial	44-10
	BEGINNER'S RUSSIAN	9 - 12	Tutorial	44-11
FOREIGN LANGUAGE: Spanish				
6	†LA CORRIDA DE TOROS	6 - 9	Educ'l game	44-15
	†SPANISH GRAMMAR II	6 - 9	Skills pract	44-17
	†SPANISH GRAMMAR I	6 - 9	Skills pract	44-18
	†SYNONYMS & ANTONYMS	6 - 12	Educ'l game	44-28
7	SPANISH SIRLOIN	7 - 8	Educ'l game	45-06
	†PRES SUBJUNCTIVE OF VERBS	7 - 9	Skills pract	45-10
8	ASTRO WORD SEARCH: SPANISH	8 - 11	Skills pract	45-17
9	LANGUAGE TEACHER - SPANISH	9 - 12	Rote drill	45-18
	†SPANISH DRILL & PRACTICE	9 - 12	Rote drill	45-19

HEALTH

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
4	COUNTING CALORIES	4 - 12	Concept demo	46-01
	†TEETH	4 - 7	Tutorial	46-04
5	DIET	5 - 12	Data retr'val	46-06
6	DIET	6 - 12	Data retr'val	46-07
7	RATS	7 - 12	Simulation	46-08
	MALARIA	7 - 12	Simulation	46-09
8	RATS	8 - 12	Simulation	46-11
	MALAR	8 - 12	Simulation	46-12

HOME ECONOMICS

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
6	†HOME HANDY HINTS	6 - 12	Tutorial	46-16
HOME ECONOMICS: Consumerism				
	CASH VERSUS CREDIT BUYING	6 - 12	Concept demo	46-18
	UNDERSTANDING SALES BUYING	6 - 12	Concept demo	46-19
	BECOMING INFORMED SHOPPER	6 - 12	Concept demo	46-20
	BUYING WISELY	6 - 12	Concept demo	46-21
7	†DECISION MAKING	7 - 14	Tutorial	46-26
9	†YOU AND INSURANCE	9 - 14	Tutorial	46-27
	†CREDIT	9 - 14	Tutorial	46-28
	†MONEY	9 - 14	Tutorial	47-01
	†ALL ABOUT INTEREST	9 - 14	Tutorial	47-02
	†UNDERSTANDING LABELS	9 - 14	Tutorial	47-03
	†HOW TO FINANCE A CAR	9 - 14	Tutorial	47-04
	†LAWS FOR CONSUMERS	9 - 14	Tutorial	47-05
	†CONSUMER FRAUD	9 - 14	Tutorial	47-06
	†CONSUMER HELP	9 - 14	Tutorial	47-07
	†TIPS ON BUYING A USED CAR	9 - 14	Tutorial	47-08
	†READING AN ADVERTISEMENT	9 - 14	Tutorial	47-09
	†CONSUMERISM AND YOU	9 - 14	Tutorial	47-10
	†SHOPP'G IN COMPARATIVE WAY	9 - 14	Tutorial	47-11
HOME ECONOMICS: Foods				
4	COUNTING CALORIES	4 - 12	Concept demo	47-14
5	DIET	5 - 12	Data retr'val	47-15
6	DIET	6 - 12	Data retr'val	47-16
7	†EATING FOR GOOD HEALTH	7 - 14	Tutorial	47-19
HOME ECONOMICS: Personal Devel				
	†FRIENDS AND YOU	7 - 12	Tutorial	47-21
	†THE AGE OF RESPONSIBILITY	7 - 12	Tutorial	47-22
	†SUCCEEDING	7 - 14	Tutorial	47-23

INDUSTRIAL ARTS

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
9	SUNSIM-4	9 - 12	Simulation	47-29
INDUSTRIAL ARTS: El-trnics/trcty				
	ELECTRONICS	9 - 12	Skills pract	48-02
	†RESISTORS	9 - 14	Skills pract	48-06

MATHEMATICS

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
3	PYTHGORAS AND THE DRAGON	3 - 12	Educ'l game	49-03
6	MUMATH/MUSIMP-80	6 - 12	Computl tool	49-04
7	†MATH SPEED TUTOR	7 - 12	Skills pract	49-05
MATHEMATICS: Basic Skills				
1	ODD SHAPE OUT	1 - 12	Educ'l game	49-08
Multiple Topics				
K	SPACE WASTE RACE	K - 3	Educ'l game	49-10
	†EARLY GAMES/YOUNG CHILDREN	K - 2	Educ'l game	49-12
1	MATH SEQUENCES	1 - 6	Skills pract	49-13
	MATH ASSESSM'T/PRESCRIPTIV	1 - 7	Skills pract	49-15
	MATH SEQUENCES	1 - 8	Skills pract	49-20
2	ESSENTIAL MATH - LEVEL 5	2 - 5	Skills pract	49-25
	ESSENTIAL MATH - LEVEL 2	2 - 2	Skills pract	49-26
3	ESSENTIAL MATH - LEVEL 3	3 - 3	Skills pract	49-29

† This is a new entry in THE SOFTWARE FINDER.

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
MATHEMATICS: Multiple Topics (CONT)				
	BASIC MATH SKILL SERIES	3 - 12	Tutorial	50-03
4	ESSENTIAL MATH - LEVEL 4	4 - 4	Skills pract	50-04
5	PROBLEM SOLVING STRATEGIES	5 - 9	Skills pract	50-08
6	ESSENTIAL MATH - LEVEL 6	6 - 6	Skills pract	50-11
	SKEEBALL	6 - 12	Educ'l game	50-12
	†BASIC MATH COMPETENCY DRIL	6 - 9	Skills pract	50-14
7	GRAPHS & MEAN,MEDIAN,MODE	7 - 10	Skills pract	50-18
	ESSENTIAL MATH PROGRAM II	7 - 12	Skills pract	50-19
9	HIGH SCHL MATH COMPETENCY	9 - 12	Skills pract	50-20
Arithmetic				
K	ADD'N & SUBTR'N WHOLE NOS	K - 3	Tutorial	51-01
	BEGINNING MATH CONCEPTS	K - 3	Educ'l game	51-03
	†INTRO 2 ADDITION/SUBTR'CTN	K - 4	Skills pract	51-04
	SIGMA-EX	K - 5	Educ'l game	51-05
	K-8 MATH PROGRAM VOL. I	K - 8	Skills pract	51-08
	K-8 MATH W/ STUD'T MANAG'T	K - 8	Skills pract	51-09
	K-8 MATH WORKSHEET GENRAT	K - 8	Teacher aid	51-10
	ADD ON	K - 3	Skills pract	51-13
	TAKE AWAY	K - 3	Skills pract	51-14
	MATH RACE	K - 3	Educ'l game	51-15
	NUMBER TREE	K - 1	Rote drill	52-01
	†FACTS MATCH ADDITION	K - 2	Rote drill	52-02
1	BASIC MATH SKILL GAMES	1 - 8	Educ'l game	52-10
	TABLES 1-12,4 BASIC OPER'S	1 - 4	Rote drill	52-21
	ADDIT'N&SUBTR'N,WHOLE NOS.	1 - 6	Skills pract	52-22
	INTRO TO MATH ON COMPUTER	1 - 6	Skills pract	52-23
	MATH PAK I	1 - 6	Skills pract	52-25
	MATHELP	1 - 6	Skills pract	52-26
	ADD'N DRILL,MULTIP'N DRILL	1 - 6	Skills pract	52-28
	DIVIDE	1 - 6	Rote drill	53-02
	MATH FACTS	1 - 6	Skills pract	53-03
	ARITHMETIC DRILL PROGRAM	1 - 6	Skills pract	53-07
	ADDITION WITH CARRY	1 - 6	Skills pract	53-08
	MATH TABLES DRILL	1 - 3	Rote drill	53-18
	NUMBER STRINGS	1 - 8	Skills pract	53-19
	MATH DRILL	1 - 6	Skills pract	53-20
	SPEED DRILL	1 - 8	Skills pract	53-21
	MATH TEST AND RECORD	1 - 8	Skills pract	53-24
	FAST MATH PACER	1 - 8	Skills pract	54-01
	SIGMA	1 - 3	Educ'l game	54-10
	GALAXY MATH FACTS GAME	1 - 9	Educ'l game	54-11
	†FACTS MATCH SUBTRACTION	1 - 2	Rote drill	54-26
	†FACTS MATCH MULTIPLICATION	1 - 2	Rote drill	54-27
	†BASIC MATH FACTS DRILL	1 - 6	Skills pract	54-28
	†MATH FOR ALL AGES	1 - 3	Tutorial	55-06
2	LONG DIVISION	2 - 6	Skills pract	55-15
	NUMBO-JUMBO	2 - 8	Skills pract	55-19
	LONG DIVISION	2 - 9	Skills pract	55-20
	MULTIPLICATION	2 - 9	Skills pract	55-21
	DIVISION DRILL	2 - 6	Skills pract	55-22
	†COMP ACTIVITIES IN MATH 3	2 - 4	Skills pract	55-25
	DIVISION DRILL	2 - 8	Rote drill	55-28
	ARITHMETIC DRILL: +,-,x	2 - 6	Skills pract	56-06
	MATH PRACTICE	2 - 8	Skills pract	56-23
	MULT'N & DIV'N, WHOLE NOS.	2 - 8	Skills pract	56-25
	WHOLE NO. ADD WORKSHT/TEST	2 - 6	Test genrat	56-26
	WHOLE NO. SUBTR WKSHT/TEST	2 - 6	Test genrat	56-27
	WHOLE NO. DIV'N WKSHT/TEST	2 - 6	Test genrat	56-28
	WHOLE NO. MULTN WKSHT/TEST	2 - 6	Test genrat	56-29
	WHOLE NO. DIVISION BY OBJ	2 - 6	Skills pract	56-30
	WHOLE NO. MULTIPL'N BY OBJ	2 - 6	Skills pract	57-01
	WHOLE NO. ADDITION BY OBJ	2 - 6	Skills pract	57-02
	WHOLE NO. SUBTRACT BY OBJ	2 - 6	Skills pract	57-03
	WHOLE NO. ARITH SERIES	2 - 6	Skills pract	57-04
	BEAT THE COMPUTER	2 - 6	Skills pract	57-06
	BLACK-OUT	2 - 10	Educ'l game	57-07
	MULTIPLY	2 - 6	Rote drill	57-11
	MATH RACE 2	2 - 4	Educ'l game	57-12
	†MAGIC SQUARES	2 - 0	Skills pract	57-13
	†LONG DIVISION	2 - 9	Tutorial	57-14
	†MATH MASTER	2 - 8	Tutorial	57-15
	†MICRO MATH BLASTER	2 - 4	Educ'l game	57-18
	†FACTO MATH	2 - 6	Skills pract	57-23
	†SIGMA-82	2 - 5	Educ'l game	57-25
3	†COMP ACTIVITIES IN MATH 4	3 - 5	Skills pract	57-27
	†COMP ACTIVITIES IN MATH 5	3 - 5	Skills pract	57-28
	ARITH-MAGIC	3 - 8	Skills pract	58-04
	DIVISOR GAME	3 - 9	Educ'l game	58-09
	MATH FACTS GAMES I	3 - 6	Educ'l game	58-10
	DIVISION OF NUMBERS	3 - 6	Tutorial	58-13
	MULTIPL'N OF WHOLE NUMBERS	3 - 6	Tutorial	58-14
	INTERMEDIATE MATH SKILLS	3 - 8	Tutorial	58-15
	MATH SKILL GAMES-REGROUP'G	3 - 9	Educ'l game	58-17
	MISSING MATH FACTS	3 - 8	Skills pract	58-19
	GRATING MULTIPLICATION	3 - 12	Tutorial	58-21
	ESTIMATION DRILL	3 - 9	Skills pract	58-22
	INTEGERS	3 - 9	Tutorial	58-23
	MATH OLYMPICS	3 - 9	Educ'l game	58-24
	†INTRO 2 MULT'PLCN/DIVISION	3 - 6	Skills pract	58-26
4	FACTOR	4 - 10	Educ'l game	58-30
	FRACTION SERIES	4 - 12	Skills pract	59-01
	MATH PAK II	4 - 9	Skills pract	59-04
	NUMBER CRUNCHER	4 - 9	Skills pract	59-05
5	†MATH FACTS GAMES II	5 - 6	Educ'l game	59-06
	†COMP ACTIVITIES IN MATH 4	5 - 7	Skills pract	59-07
	LINEAR SEARCH GAMES	5 - 8	Educ'l game	59-09
6	TENTRATION	6 - 12	Tutorial	59-11
	SOLV'G SUBTR/DIV PROBLEMS	6 - 12	Skills pract	59-12
	SOLV'G ADD/MULT'N PROBLEMS	6 - 12	Skills pract	59-13
7	NEW SUBTRACTION	7 - 12	Tutorial	59-14
Coord's/Graph'g				
5	GRID SEARCH GAMES	5 - 8	Educ'l game	59-25
	GRAPH BUILDER	5 - 10	Tutorial	59-26
6	†PIE AND LINE GRAPHS	6 - 10	Tutorial	59-27
	†BAR AND PICTURE GRAPHS	6 - 10	Tutorial	59-28
Currency				
1	CHANGE MAKER	1 - 6	Skills pract	59-30
	MONEY MASTER	1 - 5	Educ'l game	60-01
2	USING MONEY &MAKING CHANGE	2 - 4	Tutorial	60-03
3	LEARNING TO COUNT MONEY	3 - 6	Tutorial	60-09
	CASH-R	3 - 6	Skills pract	60-10
Decimals/Percts				
	INTRO TO DECIMALS ON COMP	3 - 6	Skills pract	60-15
4	†FRACT'NS,PERC'TS,&DECIMALS	4 - 10	Tutorial	60-16
	DECIMAL PATTERNS	4 - 10	Skills pract	60-20
	DECIMAL SUBTRACTION	4 - 8	Skills pract	60-22
	DECIMATION	4 - 9	Skills pract	60-23
	DECIMALS	4 - 9	Tutorial	60-24
	DECIMALS-4 BASIC OPERAT'NS	4 - 9	Skills pract	61-01
	INTRODUCTION TO PERCENT	4 - 9	Skills pract	61-02
	FINDING PERCENT OF NUMBER	4 - 9	Skills pract	61-03
	FRACTIONS AS A PERCENT	4 - 9	Skills pract	61-04
	ROUNDING OFF NUMBERS	4 - 9	Skills pract	61-05
	DECIMALS	4 - 6	Tutorial	61-07
5	DECIMALS/PERCENT	5 - 9	Skills pract	61-09
6	DECIMAL ESTIMATION	6 - 12	Skills pract	61-11
7	NUMBER SERIES	7 - 9	Skills pract	61-15
Factoring				
6	EXPONENTS	6 - 10	Skills pract	61-27
	THE EUCLID GAME	6 - 10	Educ'l game	61-28
	FACTORING FINALE	6 - 10	Educ'l game	61-29
	THE RECTANGLE GAME	6 - 10	Educ'l game	61-30
	FACTOR PAIRS	6 - 10	Tutorial	62-01
	GUESS AND TEST	6 - 10	Tutorial	62-02
	HIGHEST COMMON FACTOR	6 - 12	Tutorial	62-03
	PAIRS AND SQUARES	6 - 10	Tutorial	62-04
	LEAST COMMON MULTIPLE	6 - 10	Tutorial	62-05
	SIEVE OF ERATOSTHENES	6 - 10	Computl tool	62-06
7	HOW MANY FACTORS?	7 - 10	Tutorial	62-07
Fractions				
2	†INTRODUCTION TO FRACTIONS	2 - 6	Skills pract	62-14
3	FRACTIONS	3 - 7	Tutorial	62-19
4	ADDING FRACTIONS	4 - 10	Skills pract	62-27
	FRACTIONS AND MEASUREMENT	4 - 10	Skills pract	62-28
	COMPOUND FRACTIONS	4 - 10	Skills pract	62-29
	COMPARING FRACTIONS	4 - 10	Skills pract	63-01
	FRAC TAC TOE	4 - 10	Educ'l game	63-02
	FACTOR FRACTURE	4 - 10	Educ'l game	63-03
	TARGET	4 - 10	Educ'l game	63-04
	DIVIDE AND CONQUER	4 - 10	Educ'l game	63-05

† This is a new entry in THE SOFTWARE FINDER.

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
	MATHEMATICS: Fractions (CONT)			
	FRACJACK	4 - 10	Educ'l game	63-06
	FAREY SEQUENCES	4 - 10	Educ'l game	63-07
	ARROW PROBLEM	4 - 10	Concept demo	63-08
	TAKE A WALK	4 - 10	Concept demo	63-09
	CONTINUED FRACTIONS	4 - 10	Concept demo	63-10
	MIXED NUMBERS	4 - 10	Tutorial	63-11
	DIVISION THE SAFE WAY	4 - 10	Tutorial	63-12
	EQUIVALENT FRACTIONS	4 - 10	Tutorial	63-13
	MULTIPLYING FRACTIONS	4 - 10	Tutorial	63-14
	MULTIPLICATION SHORTCUTS	4 - 10	Tutorial	63-15
	DIVISION MEANING	4 - 10	Tutorial	63-16
	PLACEMENT TEST	4 - 10	Test genrat	63-17
	FRACTION ADDITION	4 - 9	Skills pract	63-19
	FRACTION SUBTRACTION	4 - 9	Skills pract	63-20
	FRACTION TO DECIMAL	4 - 9	Skills pract	63-21
	FRACTIONS	4 - 8	Tutorial	63-22
	TYPING FRACTIONS	4 - 12	Tutorial	63-23
	FRACTIONS-ADDIT'N & SUBT'N	4 - 9	Skills pract	64-04
	FRACTIONS-MULTIPLY & DIVID	4 - 9	Skills pract	64-05
	FRACTIONS & MIXED NUMBERS	4 - 9	Skills pract	64-06
	THE PLAYFUL PROFESSOR	4 - 9	Educ'l game	64-09
5	MULTIPLYING FRACTIONS	5 - 8	Skills pract	64-16
	ADDING FRACTIONS	5 - 8	Skills pract	64-17
	†FRACTIONS PACKAGE I	5 - 14	Skills pract	64-18
	†FRAX - PRAC I & II	5 - 12	Skills pract	64-19
	Logic			
3	STONES	3 - 12	Educ'l game	64-26
	BAGELS	3 - 9	Educ'l game	64-27
4	LOGIC AND DEDUCTION	4 - 12	Educ'l game	65-04
	Measurement			
3	METRIC ROADRUNNER	3 - 9	Educ'l game	65-06
4	†METRICS	4 - 7	Tutorial	65-08
	†METRIC	4 - 12	Skills pract	65-10
	METRIC TREK	4 - 12	Educ'l game	65-11
	CURIOUS MEASUREMENTS	4 - 10	Educ'l game	65-13
	METRIC BLACKJACK	4 - 9	Educ'l game	65-14
5	MEASURES DRILL & PRACTICE	5 - 9	Skills pract	65-16
	APPROXIMATE MEASUREMENT 1	5 - 12	Tutorial	65-17
	SMALLEST UNIT OF MEASURE	5 - 12	Tutorial	65-18
6	APPROXIMATE MEASUREMENT 2	6 - 12	Tutorial	65-19
7	†METRICS AND YOU	7 - 14	Tutorial	65-21
	†METRIC/ENGLISH CONVERSIONS	7 - 12	Skills pract	65-22
	Number Senten's			
3	COMPLEX MATHEMATICS	3 - 6	Tutorial	65-25
	Numeration			
K	†FACTS MATCH DIVISION	K - 2	Rote drill	65-29
	†JACK & JILL GO TO SCHOOL	K - 1	Skills pract	66-05
	NUMBER/NUMERAL	K - 1	Skills pract	66-06
	NUMBER TREE	K - 1	Skills pract	66-07
	NUMERAL RECOGNITION	K - 2	Rote drill	66-20
	HOW MANY?	K - 3	Skills pract	66-21
3	PLACE VALUE	3 - 9	Tutorial	67-01
	NUMBER MATCH	3 - 3	Rote drill	67-02
4	SETS AND NUMBERS	4 - 9	Skills pract	67-07
6	PRIMES AND COMPOSITES	6 - 10	Tutorial	67-10
8	NUMBER BASE CONVERSION	8 - 12	Tutorial	67-12
	Time & Distance			
K	TELLING TIME COMPUTER SET	K - 3	Tutorial	67-17
	†HOUR CLOCK	K - 2	Skills pract	67-18
	†HALF-HOUR CLOCK	K - 2	Skills pract	67-19
	†QUARTER-HOUR CLOCK	K - 2	Skills pract	67-20
1	TELLING TIME	1 - 6	Skills pract	67-22
2	CALENDAR TIC-TAC-TOE	2 - 4	Educ'l game	67-27
	†CLOCKFACE	2 - 0	Skills pract	67-30
	Word Problems			
3	PROBLEM SOLVING MATH LEV 3	3 - 3	Skills pract	68-04
	MATH WORD PROBLEMS	3 - 6	Tutorial	68-05
	†SOLVING WORD PROBLEMS I&II	3 - 5	Tutorial	68-06
	†PROB SOLVING IN MATH LEV 4	3 - 5	Skills pract	68-07
	†ELEMENTRY MATH WORD PROBLS	3 - 6	Skills pract	68-08
4	READ & SOLVE MATH PROBLEMS	4 - 6	Tutorial	68-09
	†PROB SOLVING IN MATH LEV 5	4 - 6	Skills pract	68-10
5	†PROB SOLVING IN MATH LEV 6	5 - 7	Skills pract	68-12
6	PROBLEM SOLVING PROCESS	6 - 12	Skills pract	68-13
7	†SECONDARY MATH WORD PROBLS	7 - 12	Skills pract	68-15
	MATHEMATICS: Algebra			
3	GUESS THE RULE	3 - 12	Educ'l game	68-16
7	PLOT	7 - 12	Computl tool	68-24
	†PROBLEM SOLVING IN ALGEBRA	7 - 12	Tutorial	68-26
	†ALGEBRA PACKAGE I	7 - 14	Skills pract	68-27
	†ALGEBRA PACKAGE II	7 - 14	Skills pract	68-28
	†ALGEBRA I, II, & III	7 - 12	Skills pract	68-29
8	ALGEBRA I DRILL-LINEAR EQS	8 - 10	Skills pract	69-02
	ALGEBRAIC FACTORING	8 - 12	Tutorial	69-05
	ELEMENTARY ALGEBRA	8 - 10	Tutorial	69-23
	CARTESIAN COORD'T GRAPHING	8 - 12	Computl tool	69-28
	ALGEBRA BILLIARDS	8 - 12	Skills pract	69-29
	†SOLVING EQUATIONS	8 - 9	Skills pract	70-05
9	QUADRATIC EQUATIONS	9 - 12	Skills pract	70-18
	AUTO-GRAPH	9 - 12	Computl tool	70-20
10	POLAR COORDINATE GRAPHING	10 - 12	Computl tool	70-25
	PARAMETRIC GRAPHING	10 - 12	Computl tool	70-26
	MATHEMATICS: Analysis			
	LINEAR & PARABOL REGRESS'N	10 - 12	Computl tool	70-29
11	ADVANCED GRAPHICS	11 - 12	Computl tool	71-10
	MATHEMATICS: Calculus			
10	†CALCULUS	10 - 16	Skills pract	71-12
11	INVEST'S: INTEGRAL CALCUL	11 - 12	Tutorial	71-13
	MATHEMATICS: Consumer Math			
4	SURVIVAL MATH	4 - 8	Simulation	71-15
	†MATH FOR EVERYDAY LIVING	4 - 9	Skills pract	71-16
6	STOCK MARKET SIMULATION	6 - 12	Educ'l game	71-17
9	†REAL COST	9 - 12	Tutorial	71-21
	†UNDERSTANDG CHKBKS/STATMTS	9 - 12	Tutorial	71-22
	TAXING!	9 - 12	Skills pract	71-23
	MATHEMATICS: General Math			
7	SIGN DRILL	7 - 12	Skills pract	71-25
9	GENERAL MATHEMATICS	9 - 12	Tutorial	71-27
	MATHEMATICS: Geometry			
7	†TRIANGLE TRIG	7 - 12	Tutorial	72-10
9	ELEMENTARY GEOMETRY	9 - 11	Tutorial	72-13
	EUCLID GEOMETRY TUTOR	9 - 12	Tutorial	72-14
10	PLANE ANALYTIC GEOMETRY	10 - 12	Skills pract	72-16
	MATHEMATICS: Statistics			
6	SAMPLING	6 - 12	Concept demo	72-17
	MATHEMATICS: Trigonometry			
9	†TRIG FUNCT'N /ACTIVE ANGLE	9 - 12	Skills pract	73-05
10	ELEMENTARY TRIG	10 - 12	Tutorial	73-09

MISCELLANEOUS

3	†KNOW YOUR MONEY	3 - 6	Tutorial	73-16
4	†FACTS AND FORMULAS	4 - 8	Tutorial	73-20
	MISCELLANEOUS: Basic Skills			
K	PRESCHOOL IQ BUILDER	K - 1	Skills pract	73-21
1	ANIMALS	1 - 9	Educ'l game	74-01
3	†MAZEMAKER	3 - 6	Educ'l game	74-02

PHYSICAL EDUCATION

6	CHAMPS	6 - 14	Teacher aid	74-05

SCIENCE

9	†SCIENTIFIC NOTATION	9 - 14	Educ'l game	74-10

† This is a new entry in THE SOFTWARE FINDER.

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	GRAPHICAL ANALY'S EXP DATA	9 - 12	Computl tool	74-11
	SUN HEAT 1	9 - 12	Simulation	74-14
	SCIENCE: Basic Skills			
4	METRIC TREK	4 - 12	Educ'l game	74-13
5	APPROXIMATE MEASUREMENT 1	5 - 12	Tutorial	75-01
6	APPROXIMATE MEASUREMENT 2	6 - 12	Tutorial	75-02
7	METRIC	7 - 12	Rote drill	75-03
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	PERCENT ERROR	7 - 12	Tutorial	75-06
	MEASURES DRILL & PRACTICE	7 - 10	Skills pract	75-07
	METRIC QUIZ	7 - 12	Test genrat	75-08
10	INTERP	10 - 12	Simulation	75-11
	SCIENCE: Astronomy			
5	†ASTRONOMY-SOLAR SYS VOYAGE	5 - 9	Tutorial	75-14
6	†BIG DIPPER	6 - 12	Concept demo	75-15
7	MOON RISE/SET	7 - 9	Concept demo	75-21
	ASTRONOMY HANDBOOK II	7 - 9	Computl tool	75-22
	†THE PLANETS	7 - 10	Tutorial	75-23
8	PLANET FINDER	8 - 12	Computl tool	75-25
9	STAR 80	9 - 12	Computl tool	75-28
12	†ASTRONOMY QUIZ	12 - 12	Rote drill	76-02
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3	CELLS	3 - 9	Tutorial	76-08
7	MALARIA	7 - 12	Simulation	76-20
	HEART LAB	7 - 12	Simulation	76-21
8	STERL1 - PEST CONTROL	8 - 12	Simulation	76-25
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	STERL2 - PEST CONTROL	8 - 12	Simulation	76-27
	PHOSYN- PHOTOSYNTHESIS	8 - 11	Simulation	76-28
	THE HUMAN ADVENTURE	8 - 12	Educ'l game	76-29
9	COMPETE	9 - 12	Simulation	77-02
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	†LOCOMOTION	9 - 13	Tutorial	77-31
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	†ENDOCRINE SYSTEM	9 - 13	Tutorial	78-03
	†EXCRETION	9 - 13	Tutorial	78-04
	†ASEXUAL REPRODUCTION	9 - 13	Tutorial	78-05
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	†REPRODUCTION PLANTS	9 - 13	Tutorial	78-08
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10	LINKOVER	10 - 12	Simulation	78-22
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	HARDY-POPULATION GENETICS	10 - 12	Simulation	78-24
	LOCKEY- ENZYME SPECIFICITY	10 - 12	Simulation	78-25
	SCIENCE: Chemistry			
	Nucleonics			
11	NUCLER	11 - 12	Skills pract	79-10
	Acid-Base Chem			
10	†ACID BASE THEORIES	10 - 13	Tutorial	79-14
	†ACID BASE PROBLEMS	10 - 13	Tutorial	79-15
11	BRONSTD	11 - 12	Rote drill	79-18
	DRILL 2	11 - 12	Skills pract	79-19
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	KHP	11 - 12	Skills pract	79-21
	ENDPT	11 - 12	Simulation	79-22
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	PH (CH710)	11 - 12	Skills pract	79-24
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10	†ELECTRON STRUCTURE	10 - 13	Tutorial	80-03
11	ELEMENT	11 - 12	Rote drill	80-04
	ATOMIC	11 - 12	Rote drill	80-05
	LEWIS	11 - 12	Rote drill	80-06
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	SPDF	11 - 12	Skills pract	80-09
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	Analytical Chem			
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	Formulas/Comp'ds			
10	†MOLES AND FORMULAS	10 - 13	Tutorial	80-17
11	MOLWT	11 - 12	Skills pract	80-18
	MOLECULAR WGTS/COMPD RECOG	11 - 12	Skills pract	80-19
	MOLECULAR WEIGHT OF A GAS	11 - 12	Simulation	80-20
	Miscellaneous			
	H2S	11 - 12	Skills pract	80-29
	React'ns/Equilib			
9	†BONDING IN MOLECULES	9 - 13	Tutorial	81-03
	†BONDING BETWEEN MOLECULES	9 - 13	Tutorial	81-04
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10	†CHEMICAL EQUATIONS	10 - 13	Tutorial	81-07
	†ELECTROCHEMICAL CELLS	10 - 13	Tutorial	81-08
	†OXIDATION-REDUCTION	10 - 13	Tutorial	81-09
	†EQUILIBRIUM	10 - 13	Tutorial	81-10
11	EQPROB	11 - 12	Skills pract	81-11
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	EQCALC	11 - 12	Skills pract	81-13
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10	†ORGANIC CHEMISTRY	10 - 13	Tutorial	81-21
11	REDOX	11 - 12	Skills pract	81-22
	Solutions			
10	†SOLUTIONS	10 - 13	Tutorial	81-25
11	KSP-2	11 - 12	Skills pract	81-28
	KSP	11 - 12	Skills pract	82-01
	SOLUBLE	11 - 12	Skills pract	82-02
	COMPOUND ID, MASS, MOLES	11 - 12	Skills pract	82-03
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9	†CHEMISTRY - THE GAS LAWS	9 - 12	Skills pract	82-06
10	†GAS RELATIONSHIPS	10 - 13	Tutorial	82-07
11	STATE	11 - 12	Simulation	82-13
	GAS LAW PROBLEMS	11 - 12	Tutorial	82-15
	Stoichiometry			
	DENSITY	11 - 12	Skills pract	82-24
	SCIENCE: Earth Science			
3	†ROCKS	3 - 6	Tutorial	82-28
	THE WEATHER SCIENCE KIT	3 - 8	Tutorial	83-01
7	†STREAMS AND RIVERS	7 - 10	Tutorial	83-03
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	LATITUDE AND LONGITUDE	7 - 12	Skills pract	83-06
	BASIC CHEMISTRY	7 - 12	Skills pract	83-07
	GRADIENT	7 - 12	Tutorial	83-08
	HEAT ENERGY LOST OR GAINED	7 - 12	Tutorial	83-09
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	WATER BUDGET	7 - 12	Tutorial	83-11
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	SEASONS	7 - 12	Tutorial	83-14
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	LOST ON THE MOON	7 - 10	Skills pract	83-18

† This is a new entry in THE SOFTWARE FINDER.

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	TIME DURAT'N,EPOCHS/PER'DS	8 - 12	Skills pract	83-20
	TYPES OF ANIMALS PRESENT	8 - 12	Skills pract	83-21
9	SUNSIM-4	9 - 12	Simulation	83-25
7	GEOLOGY SEARCH	7 - 12	Simulation	83-26
	SCIENCE: Ecol/Envir Sci			
6	POLUT- WATER POLLUTION	6 - 12	Simulation	83-28
	POLLUTE	6 - 12	Simulation	83-29
7	RATS	7 - 12	Simulation	83-30
	STERL	7 - 12	Simulation	84-01
	TAG	7 - 12	Simulation	84-02
	ENERGY SEARCH	7 - 12	Simulation	84-03
8	BUFLO- WILDLIFE CONSERV'N	8 - 12	Simulation	84-05
	MALAR - MALARIA EPIDEMIC	8 - 12	Simulation	84-06
	BUFFALO	8 - 12	Simulation	84-07
	MALARIA	8 - 12	Simulation	84-08
10	ECOLOGICAL MODELING	10 - 12	Simulation	84-15
	LIMITS	10 - 12	Simulation	84-16
	LIMITS	10 - 12	Simulation	84-17
11	DEMO-GRAPHICS	11 - 12	Data retr'val	84-21
	U.S. ENERGY; ENVIR/ECON	11 - 12	Simulation	84-22
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7	GENERAL SCIENCE	7 - 12	Skills pract	84-29
	SCIENCE: Physics			
11	INTERPRET'G GRAPHS-PHYSICS	11 - 12	Skills pract	86-14
	VECTOR ADDITION	11 - 12	Concept demo	86-15
	Electricity			
	CHARGE- MILLIKAN OIL DROP	11 - 12	Simulation	87-08
	ELECTRONICS	11 - 12	Skills pract	87-16
	Heat			
9	HEAT & TEMP STUDY UNIT B	9 - 12	Tutorial	87-17
	HEAT & TEMP STUDY UNIT A	9 - 12	Tutorial	87-18
	Light			
8	INDEX OF REFRACTION	8 - 12	Educ'l game	88-02
11	SLITS-WAVE THEORY OF LIGHT	11 - 12	Simulation	88-07
	Mechanics			
9	MOMENTUM	9 - 12	Tutorial	88-18
	†PHYSICS - KINEMATICS	9 - 12	Skills pract	88-20
10	DYNAMICS	10 - 12	Tutorial	88-26
	†HARMONIC MOTION EXPERIMENT	10 - 14	Tutorial	88-27
11	NEWTON	11 - 12	Simulation	88-29
	CURT	11 - 12	Educ'l game	88-30
	CUP THE BALL	11 - 12	Simulation	89-21
	Nucleonics			
	SCATTER	11 - 12	Simulation	90-03
	SCATR2- PARTICLE SCATTER'G	11 - 12	Simulation	90-04
	SCATR3- PARTICLE SCATTER'G	11 - 12	Simulation	90-05
	SCATR1- PARTICLE SCATTER'G	11 - 12	Computl tool	90-06
	Waves			
9	†PHYSICS - WAVE MOTION	9 - 12	Skills pract	90-15

SOCIAL SCIENCE

LOW GRADE	PRODUCT NAME	GRADE LEVEL APPLICATION RANGE	TYPE	PAGE
7	USPOP - U.S. POPUL TRENDS	7 - 12	Simulation	91-07
	SAP- SURVEY ANALYSIS PKG	7 - 12	Computl tool	91-08
	SOCIAL SCIENCE: Civics/Govern't			
5	CAPITAL QUIZ	5 - 10	Rote drill	91-09
7	†THE LAW	7 - 14	Tutorial	91-11
10	AMENDM'TS TO U.S.CONSTIT'N	10 - 12	Educ'l game	91-12
	POLICY- INTEREST GROUPS	10 - 12	Simulation	91-13
	SOCIAL SCIENCE: Current Events			
7	ENERGY SEARCH	7 - 12	Simulation	91-15
9	ENERGY- SOLV'G U.S. CRISIS	9 - 12	Simulation	91-19
10	FUTURE	10 - 12	Simulation	91-20
	LIMITS TO GROWTH	10 - 12	Simulation	91-21
	EARTH - WORLD ENERGY	10 - 12	Data retr'val	91-22
11	U.S. ENERGY; ENVIR/ECON	11 - 12	Simulation	91-25
	STREETS OF THE CITY	11 - 12	Educ'l game	91-26
	SOCIAL SCIENCE: Economics			
6	SAMPLING	6 - 12	Concept demo	92-04
	HAMMARABI	6 - 10	Educ'l game	92-06
	KINGDOM	6 - 12	Educ'l game	92-07
7	SANTA PARAVIA & FIUMACCIO	7 - 12	Educ'l game	92-09
11	BALPAY-BALANCE OF PAYMENTS	11 - 12	Simulation	92-11
	SOCIAL SCIENCE: Geography			
4	†UNITED STATES GEOGRAPHY	4 - 9	Tutorial	92-20
	†WORLD GEOGRAPHY	4 - 9	Tutorial	92-21
	†STATES/CAPTLS/PRES/V-PRES	4 - 12	Educ'l game	92-24
	STATE GUESS	4 - 10	Rote drill	93-01
	ASTRO WORD SEARCH:GEOGRAPH	4 - 8	Skills pract	93-02
	NATIONS AND CAPITALS	4 - 10	Educ'l game	93-03
	U.S. GEOGRAPHY	4 - 9	Rote drill	93-06
	CAPITALS	4 - 8	Rote drill	93-07
	GEOGRAPHICAL NEIGHBORS	4 - 12	Skills pract	93-09
	GEOGRAPHY EXPLORER: USA	4 - 12	Tutorial	93-10
	STATE CAPITALS	4 - 8	Rote drill	93-11
	U.S. GEOGRAPHY QUIZ	4 - 10	Rote drill	93-13
	U.S. GEOGRAPHY QZ-REGIONS	4 - 9	Rote drill	93-14
	STATES AND CAPITALS	4 - 8	Rote drill	93-16
	REGIONS OF THE U.S.	4 - 9	Rote drill	93-17
	TOURING"GET HERE TO THERE"	4 - 12	Educ'l game	93-18
	TOURING AMERICA	4 - 12	Educ'l game	93-19
5	†GEOGRAPHY EXPLORER: EUROPE	5 - 12	Tutorial	93-20
	†GEOGRAPHY EXPLORER:MIDEAST	5 - 12	Tutorial	93-21
	COUNTRY GUESS	5 - 10	Skills pract	93-22
	FOREIGN CAPITALS	5 - 10	Rote drill	93-25
	WORLD AREA BY COUNTRY	5 - 10	Rote drill	93-26
	POPULATION OF WORLD CITIES	5 - 10	Rote drill	93-27
	WORLD POPUL'N BY COUNTRY	5 - 10	Rote drill	93-28
	COUNTRY	5 - 10	Rote drill	93-29
6	†REGIONS OFTHE UNITEDSTATES	6 - 9	Skills pract	93-31
	WORLD GEOGRAPHY	6 - 10	Rote drill	94-02
9	†MAP READING	9 - 14	Tutorial	94-06
	SOCIAL SCIENCE: History			
4	†UNITED STATES PRESIDENTS	4 - 9	Tutorial	94-11
	STATES - ORDER OF ENTRY	4 - 9	Rote drill	94-16
	PRESIDENTS-ORDER OF OFFICE	4 - 9	Rote drill	94-17
	PRESIDENTS	4 - 10	Rote drill	94-20
5	†STARS IN THE UNION	5 - 10	Concept demo	94-22
	†NEW CONTIN'T IS DISCOVERED	5 - 8	Tutorial	94-25
	†THE THIRTEEN COLONIES	5 - 8	Tutorial	94-26
	†AMERICAN EXPLORERS	5 - 8	Tutorial	94-27
	†JAMESTOWN,EARLY SETTLEMENT	5 - 8	Tutorial	94-28
	†STRUGGLE FOR INDEPENDENCE	5 - 8	Tutorial	94-29
	†WESTERN EXPANSION	5 - 8	Tutorial	94-30
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6	†LINCOLN'S DECISION	6 - 9	Simulation	95-05
	PIONEERING IN TECHNOLOGY	6 - 12	Tutorial	95-09
7	†WORD RACE:WRLD AR US, HIST	7 - 12	Educ'l game	95-14
	GEOGRAPHY SEARCH	7 - 12	Simulation	95-16
	COMMUNITY SEARCH	7 - 12	Simulation	95-17
	ARCHAEOLOGY SEARCH	7 - 12	Simulation	95-18
8	BUFLO-WILDLIFE CONSERVAT'N	8 - 12	Simulation	95-20
10	†HISTORIC SCROLL	10 - 12	Concept demo	95-23
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	REVOLUTIONARY WAR QUIZ	10 - 12	Educ'l game	95-27
	SOCIAL SCIENCE: Political Science			
7	ANNAM-STUDY DEVEL COUNTRY	7 - 12	Simulation	95-30
8	ELECT3 - CAMPAIGN/ELECTION	8 - 12	Simulation	96-01
	ELECT1,2 - PAST ELECTIONS	8 - 12	Simulation	96-02
9	POLSYS- POLITICAL PROCESS	9 - 12	Simulation	96-05
	ELECTORAL COLLEGE	9 - 12	Simulation	96-06
	PRIMARY FIGHT	9 - 12	Educ'l game	96-07
	TIGHTROPE POLITICS	9 - 12	Simulation	96-08
10	HAIL TO THE CHIEF	10 - 12	Simulation	96-09
	SOCIAL SCIENCE: Sociology			
	USPOP	10 - 12	Simulation	96-11

† This is a new entry in THE SOFTWARE FINDER.

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11	MASPAR- MASS PARTICIPATION	11 - 12	Simulation	96-12

SPECIAL EDUCATION

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K	SIGMA-EX	K - 5	Educ'l game	96-13
1	PIAT ERROR ANALYSIS	1 - 12	Teacher aid	96-14
	WISC-R COMPUTER	1 - 12	Teacher aid	96-15
	UNISTAR 1	1 - 12	Teacher aid	96-16
	EMH - PRE-IEP	1 - 12	Teacher aid	96-18

RADIO SHACK TRS-80 COLOR COMPUTER SOFTWARE

COMPREHENSIVE: Drill/Test Gens

1	WORDS	1 - 7	Skills pract	12-15
3	SPELLING	3 - 12	Rote drill	13-08

COMPUTER SCIENCE: Computer Prog'g

K	TRS-80 COLOR LOGO	K - 12	Lang proces'r	13-25
7	COLOR PASCAL	7 - 12	Lang proces'r	15-04
	COMP SCI/LITERACY: Computer Science			
6	DUMP	6 - 12	Concept demo	16-14

ENGLISH: Basic Skills

Multiple Topics

3	†BEYOND WORDS I	3 - 5	Rote drill	18-05
6	†BEYOND WORDS II	6 - 8	Rote drill	18-12
9	†BEYOND WORDS III	9 - 12	Rote drill	18-20

Grammar

1	USAGE BONERS	1 - 8	Skills pract	18-23
2	PERSON, PLACE, THING	2 - 5	Skills pract	18-31
	NOUN RECOGNITION	2 - 8	Skills pract	19-01
3	ADJECTIVE RECOGNITION	3 - 8	Skills pract	19-18
	ADVERB RECOGNITION	3 - 8	Skills pract	19-19
	PRONOUN RECOGNITION	3 - 8	Skills pract	19-20
4	VERB RECOGNITION	4 - 8	Skills pract	20-10

Punctuation

2	PUNCTUATION SERIES	2 - 6	Skills pract	21-09

Reading

K	JUGGLES' RAINBOW	K - 1	Educ'l game	23-05
2	†ELEMENTARY READING GAMES	2 - 4	Educ'l game	25-29
4	READ'G FUN: 20,000 LEAGUES	4 - 6	Skills pract	27-16
	READING IS FUN: MOBY DICK	4 - 6	Skills pract	27-17
	RIF: HOUND OF BASKERVILLES	4 - 6	Skills pract	27-18
	READING IS FUN: DRACULA	4 - 6	Skills pract	27-19

Spelling

1	SPELLING IN CONTEXT LEV. 1	1 - 3	Skills pract	29-02
	SPELLING IN CONTEXT LEV. 2	1 - 3	Skills pract	29-03
2	SPELLING IN CONTEXT LEV. 3	2 - 4	Skills pract	29-30
	PEEK 'N' SPELL	2 - 6	Rote drill	30-09
	WORDS IN CONTEXT SPEL'G A	2 - 2	Skills pract	30-13
	†HANG IT	2 - 6	Educ'l game	30-15
3	SPELLING CONTEXT LEV. 4	3 - 5	Skills pract	30-25
	WORDS IN CONTEXT SPEL'G B	3 - 3	Skills pract	31-04
4	SPELLING IN CONTEXT LEV. 5	4 - 6	Skills pract	31-11
	WORDS IN CONTEXT SPEL'G C	4 - 4	Skills pract	31-19
5	SPELLING IN CONTEXT LEV. 6	5 - 7	Skills pract	31-25
	WORDS IN CONTEXT SPEL'G D	5 - 5	Skills pract	31-26
6	SPELLING IN CONTEXT LEV. 7	6 - 8	Skills pract	32-01
	WORDS IN CONTEXT SPEL'G E	6 - 6	Skills pract	32-02
7	SPELLING IN CONTEXT LEV. 8	7 - 9	Skills pract	32-10

Vocabulary

3	VOCABULARY TUTOR 1/2	3 - 6	Rote drill	34-10
	†VOCABULARY BUILDER I	3 - 5	Rote drill	34-19
5	†VOCABULARY SERIES	5 - 12	Rote drill	35-08
6	†VOCABULARY BUILDER II	6 - 8	Rote drill	35-19
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11	VALENCE	11 - 12	Rote drill	80-14
	SCIENCE: General Science			
6	PIONEERS IN TECHNOLOGY	6 - 12	Tutorial	84-25

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4	MAPS AND GLOBES	4 - 8	Skills pract	93-15
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4	PRESIDENTS	4 - 10	Rote drill	94-20
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	COMPREHENSIVE: Comput'l Tools			
4	†MATHE MAGIC	4 - 14	Computl tool	10-03
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1	†DIAGNOSTIC PRESCRIPT SYSTM	1 - 10	Teacher aid	11-23
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† This is a new entry in THE SOFTWARE FINDER.

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Here are listed the names of programs included in program packages referred to elsewhere in THE SOFTWARE FINDER. A package is a collection of independent programs which are combined for purposes of distribution, but which may not be related in any other way. The programs are described separately in TSF to give a complete picture of what is being offered for sale in the context of the subject areas being supported. However, many readers who are interested in a given program will want to know the nature of other programs distributed with it. This listing provides that information.

Packages are listed here in order by the number used to refer to them in Subsection II-1 (see page 3 for an example and explanation). The name by which the supplier refers to the package is given, followed by the supplier name and the program names (with page numbers where descriptions are located).

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APPLICATIONS TO PSYCHOLOGY, p 77-20
REACTION-TIME MEASUREMENTS, p 77-25
HOMEOSTASIS, p 77-26
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CALIBRATION, p 77-22
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125 Music Vol2-Rhythm & Pitch
(Minn Ed Comp Consrt)
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126 Elem Vol6 (Social Studies)
(Minn Ed Comp Consrt)
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127 Indust Arts/Driver Ed-V1
(Minn Ed Comp Consrt)
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DRIVER 2, p 17-18
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128 4 Basic Read'g Skls-UnitI
(Brain Bank)
HOW TO IDENTIFY MAIN IDEA, p 28-07
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131 Word Functions
(Brain Bank)
WORD FUNCTIONS PART II, p 27-25
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134 Schl CourseWre Jrnl V13#3
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III SOFTWARE FOR ADMINISTRATIVE APPLICATIONS

The main criterion for listing software in this section was, "Does it directly support the teacher and classroom functions?" If the answer was Yes, then the program in question was not included here. Thus, these products are those which support school departments such as the library, the principal's office, and the business office. They are primarily recordkeeping and reporting programs.

The table below summarizes the products included here in terms of who supplies them and what computer(s) they run on (CP/M operating system required in some cases). Following the table are more detailed descriptions, grouped by supplier.

SUPPLIER	APPLE	PET/CBM	TRS-80
Abbott Educational Software		Salary Schedule Generator	
Addison-Wesley	Bursar Energy Monitor Equip Purchase		Bursar Energy Monitor Equip Purchase
AdminAid Micro Software			Chapter 1 Records Competency Record-Keeping Elementary Grade Book Teachers Grade Book
American Guidance Services	Woodcock Assist		
Applied Educational Systems	Course Scheduling System (pupil assignment) Daily Attendance System Grade Reporting System Test Scoring System	Course Scheduling System (pupil assignment) Daily Attendance System Grade Reporting System Test Scoring System	Course Scheduling System (pupil assignment) Daily Attendance System Grade Reporting System Test Scoring System
Compu-Tations	Mail/Phone List		
BERTAMAX			School Attendance Program
COMALDOR		Attendance Report Classlists Class Roll Management Comaldor Proctor Filemaster Inventory Library Catalogue Permission Forms School File	
Comm*Data Computer House		Guest Register Media Register School Administr'n-Gen. Ledg.	
Computer Resources Inc.	MMS FOR SCHOOLS Attendance MMS FOR SCHOOLS Master Files		MMS FOR SCHOOLS Attendance MMS FOR SCHOOLS Master Files
Corp. for Public Info in Educ	The Curriculum Manager		The Curriculum Manager
Data Processing Consultants	Attendance Accounting Budgetary with Fund Acct'g Complete Scholastic Package Grade Accounting Payroll Package		
Desert Sound			Reader (forms reader driver)
Digipac Computer Consulting	The Attendance Desk		
DTI Data Trek	Acquisitions Catalog Circulation Serials	Acquisitions Catalog Circulation Serials	Acquisitions Catalog Circulation Serials
Educational Activities	Media & Equip't Mgt.	Media & Equip't Mgt.	Media & Equip't Mgt.
Educational Courseware	Inventory		
Educational Services Mgt.	Attendance Reporting System		
Educational Software Marketing	ESM-100		ESM-100
Educomp	Library Processes System		Library Processes System
Evans Newton	Project Attend Project BASIC Project I.E.P. Project Test	Project Attend Project BASIC Project Test Project Time	Project Attend
H.E.I. Inc.	CAM - Achievement Monitoring HEI - School Attendance HEI - SCORE - Test Scoring Mastery Management SCORE - Test Analysis		

SUPPLIER	APPLE	PET/CBM	TRS-80
J. L. Hammett	Library Circuln/Overdue Bk	Library Circuln/Overdue Bk	Library Circuln/Overdue Bk
Integral Computer Systems	CAPPS-Total Financial Mgt	CAPPS-Total Financial Mgt	CAPPS-Total Financial Mgt
International Micro Systems	School Administration System (Financial,Sched,Stud Rec)	Accounts Payable System (Financial,Sched,Stud Rec)	Accounts Payable System (Financial,Sched,Stud Rec)
Learning Tools	Administrative Planning System Curriculum Management System Teacher Planning System		
Library Software Co.	The A-V Catalog Writer The Bibliography Writer The Elementary Overdue Writer The Overdue Collector The Overdue Writer The Overnight Writer		The A-V Catalog Writer The Bibliography Writer The Elementary Overdue Writer The Overdue Collector The Overdue Writer The Overnight Writer
Charles Mann & Associates	Attendance Class Scheduling System Grading Systems Programs		
MASBO Cooperative Corp.	CUS/Staff (tm)		
Microcomputer Education Applications Network	Modular Student Management System (special education)		
Micro-Music Inc.	Uniform Master I		
Microphys		Attendance System Scheduling-Update System	
Minnesota Educational Computing Consortium	School Utilities Volume 1 (salary, enrollment, revenue projections)		
Monument Computer Service	Assistant Principal (student scheduling & mark reporting) Roll Call (attendance accounting)		
Mount Castor Industries	Attendance Program The Classifier (master schedule, pupil assignment)	Attendance Program The Classifier (master schedule, pupil assignment)	Attendance Program The Classifier (master schedule, pupil assignment)
Orchard Systems	Circulation Management Syst		
Paralax B.V.	Rostar (master schedule builder)		
Persimmon Software	Drop/Add		
Powell Associates, Inc.			Simsys - Main Module (Data Base System) Simsys - Statistics Module Simsys - Test Scoring Package Simsys - Schl Administ Module
Professional Computer Systems	The Librarian		
Radio Shack			Rekord Administrator (Student Records) Rekord Counselor Rekord Special Programs
Random House	Career Information System		
RDA Systems	Micro Budget		
Reader's Digest Services Inc.	Listmaker		Listmaker
Ringgold Management Systems			Circulation Control
School & Home Courseware	HARTS III (Demographics, scheduling, attendance, report cards		
School Management Systems	Accounts Payable System Attendance System CARDPRIN/II System (Lib. Cat.) Fund Accounting (3 versions) Library Statistics Salary Calculations School Payroll System Student Billing System Student Record System	Accounts Payable System Attendance System CARDPRIN/II System (Lib. Cat.) Fund Accounting (3 versions) Library Statistics Salary Calculations School Payroll System Student Billing System Student Record System	Accounts Payable System Attendance System CARDPRIN/II System (Lib. Cat.) Fund Accounting (3 versions) Library Statistics Salary Calculations School Payroll System Student Billing System Student Record System
School Office Software	Attendance Reporting Syst II		

SUPPLIER	APPLE	PET/CBM	TRS-80
Software Research Corp.	Attendance Program Demographic/Scheduling Prog Textbook Program		
Software Technology	Student Scheduling & Tracking		
St. John's High School			Absentee Ad Drive Auction Vfile
Teacher' Pet		Enrollment	
Trinity High School Athletic Dept.			Athlet Director's Right Hand (sports records)
Unicom	Grade Reporting School Inventory		
Winnebago Software	Library Circulation System	Library Circulation System	Library Circulation System

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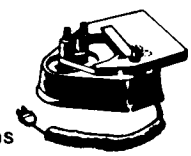

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Reduce Costs

ABBOTT EDUCATIONAL SOFTWARE

SALARY SCHEDULE GENERATOR
Description: Generates salary schedules for across-the-board per cent raises; maximum array 7 columns X 25 rows; requires 80-column printer; written in BASIC
Syst(s): PET/CBM Price: $9.75
Min Hardware: 16K + tape, printer

ADDISON-WESLEY

BURSAR (TM)
Description: Student activity fund accounting system, including journal, statements and trial balance reporting
Syst(s): APPLE TRS-80 Price: $195
Min Hardware: 48K + disk, printer

ENERGY MONITOR
Description: Tracks energy use relative to climatic variables; accounts for energy units & expenditures in 1-90 buildings.
Syst(s): APPLE TRS-80 Price: $245
Min Hardware: 48K+dsk; TRS Mod III only

EQUIP (TM)
Description: School equipment inventory system, providing orderly and up-to-date information; allows allocation, location & accounting of all physical assets
Syst(s): APPLE TRS-80 Price: $195
Min Hardware: 48K + disk, printer

PURCHASE (TM)
Description: Annual school purchasing system, including specifications, requisitions, bids, & delivery schedules; simplifies bulk purchasing of all items
Syst(s): APPLE TRS-80 Price: $195
Min Hardware: 48K + disk, printer

ADMINAID MICRO SOFTWARE

†CHAPTER 1 RECORDS
Description: Keeps records on Chapter 1 students: tests, time, etc.; lists eligible students; calculates improvement, etc.
Syst(s): TRS-80 Price: $40
Min Hardware: 48K Mod III+ disk,printer

†COMPETENCY RECORD-KEEPING
Description: Maintains record of student competion of essential objectives; outputs list of uncleared students/skill report
Syst(s): TRS-80 Price: $20
Min Hardware: 48K Mod III+ disk,printer

†ELEMENTARY GRADE BOOK
Description: Files up to 25 weighted alpha or numeric grades in each of 7 elementary subjects; separate grade sheet for each subject
Syst(s): TRS-80 Price: $20
Min Hardware: 48K Mod III+ disk,printer

†TEACHERS GRADE BOOK
Description: Files averages of up to 25 numric or alpha grades on up to 50 students in 1 to 9 classes; weights grades; has multi-user capability
Syst(s): TRS-80 Price: $20
Min Hardware: 48K Mod III+ disk,printer

CLASSROOM MANAGEMENT SYSTEMS
All systems TRS-80-III, Heath/Zenith

1. **Teachers Grade Book - up to 9 classes of 50 students; weighted numeric, alpha grades, multi user capability . $20.00**
2. **Elementary Grade Book - grades on seven subjects; weighted alpha, numeric grades $20.00**
3. **Competency Records: student records on essential objectives. $20.00 (Add $10 for 1-6 skills in Calif. school district)**

AdminAid MicroSoftware
886 Bransford Court, Fairfield, Calif. 94533

AMERICAN GUIDANCE SERVICES

†WOODCOCK ASSIST
Description: Converts Woodcock raw test scores to derived scores; gives reading grade levels, rel mastery scores, percentile ranks & NCE's; stores pre-/post
Syst(s): APPLE Price: $29.50
Min Hardware: 48K+DOS3.2.1/3.3,printer

APPLIED EDUCATIONAL SYSTEMS

COURSE SCHEDULING SYSTEM
Description: Accepts course requests for up to 2500 students; does simple tally & conflict matrix; assigns students to cses & prints course rosters & stud't sched
Syst(s): CP/M Price: $1495
Min Hardware: 56K+2 disks,card rdr,prtr

† This is a new entry in THE SOFTWARE FINDER.

DAILY ATTENDANCE SYSTEM
Description: Accepts daily attendance data on mark-sense cards, stores on disk & produces daily reports & periodic summary reports; auto absence notice to parent
Syst(s): CP/M Price: $1495
Min Hardware: 56K+2 disks,card rdr,ptr

GRADE REPORTING SYSTEM
Description: Accepts grades on mark-sense cards, stores on disk & prints report cards, honor rolls & class rank listings; interfaces with attendance
Syst(s): CP/M Price: $1495
Min Hardware: 56K+2 disks,card rdr,prtr

†TEST SCORING SYSTEM
Description: Corrects multiple-choice tests of up to 100 questions & correlates performance objectives; reports by student, district, and/or school.
Syst(s): CP/M Price: $995
Min Hardware: 56K+dsk,prtr; req's CP/M

APPLIED SYSTEMS

†ATTENDANCE REPORTING SYST
Description: Master calendar & student files hold biographical & attendance data for 5,000 students; reports include state requirements
Syst(s): Price: $2000
Min Hardware: NorthStar,Vector,Decmate

†GENERAL LEDGER SYSTEM
Description: Double-entry ledger fund balances system meeting Handbook IIR requirements
Syst(s): Price: $1000
Min Hardware: NorthStar,Vector,Decmate

Price: $3000
Min Hardware: NorthStar,Vector,Decmate

†OMEGA SCHEDULING SYSTEM
Description: Cost Effective tool for constructing master schedules; up to 700 students per grade plus lists, etc; service support
Syst(s): Price: $5000
Min Hardware: NorthStar,Vector,Decmate

†PAYROLL SYSTEM
Description: Automatic payroll disbursal; over 16 different deductions; prints W2 forms; service supported
Star Horizon, Vector, Decmate I
Syst(s): Price: $3000
Min Hardware: NorthStar,Vector,Decmate

†PROGRAM BUDGETING SYSTEM
Description: Handbook IIR acctg features; automatic vendor check printing, transaction codes & budget preparation support
Syst(s): Price: $3000
Min Hardware: NorthStar,Vector,Decmate

†REVENUE ACCOUNTING SYSTEM
Description: Format for revenue accounting designed for use with program-based budgeting per Handbook II;service support
Syst(s): Price: $1000
Min Hardware: NorthStar,Vector,Decmate

BERTAMAX INC.

SCHOOL ATTENDANCE PROGRAM
Description: Maintains & reports data on excused/unexcused absences, tardies,parent conferences & report letrs; Mod II (2600 stud't) $995, Mod I (1000 stud't) $650
Syst(s): TRS-80 Price: $650
Min Hardware: Model II/III+2 dsk,prtr

COMPUTER SOFTWARE
FOR
SCHOOL ADMINISTRATORS

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Payroll
Revenue Accounting
General Ledger

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Scheduling
Grade Reporting
Attendance Reporting

asi

applied systems inc
u.s. route 4
barrington, n.h. 03825
(603) 868-2844

MASTER GRADES PROGRAM: A complete grades management system for teachers. Designed primarily for the secondary level but is in use by many elementary and college level teachers. With this program you can produce alphabetized pages for your gradebook, alphabetized grade summaries for all students by grade level, subject or class, three kinds of progress notes to parents (depending on the parameters set by the teacher) and weekly or oftener reports in alpha or percentage order for all of your classes.

MASTER GRADES works on the point system. All grades are input as points out of possible points which could be earned per assignment or test. Since only the cumulative totals are kept, scores to 9999 are possible. (It is assumed that a teacher will still record the grades in a book or on the sheets generated by this program. That is your official record). The program then converts the points to a percentage and a letter grade is assigned according to the grading scale created by the teacher. The grading scale may be changed at any time including just prior to printout to allow for "easier" or "harder" markings of different classes. The program will hold 200 names.

The 16K version is supplied in BASIC and comprises three separate programs which load each other automatically depending on the main menu option selected.

The 32K version is all one program and is compiled in PETSPEED for the ultimate in speed and reliability. This version also includes a full edit routine which allows everything concerning a student to be changed at any time.

MASTER GRADES was written by two experienced secondary math teachers who are also expert programmers. They have produced a program which is designed for the FIRST TIME COMPUTER USER and whose only ability on the computer is knowing how to load a program. MASTER GRADES is a classic in error prevention and error trapping. It will not let you fail, nor will it allow you to lose your data.

Ten pages of instructions are included which will become superfluous your first time through the program.

A DEMO disk of the 32K version is available for $7.00 for 2031/4040/8050 drives. This amount is refundable when the demo disk is returned and the regular program ordered.

MASTER LIBRARY PROGRAM — The ultimate utility program to organize all of your files. This program is not limited by the memory of the machine you are using as it writes linked sequential files and is capable of cataloging over 8000 titles. The titles, disk id and blocksize are read from each disk almost as fast as you can feed them into the drive. The options allow you to create a new file, add to an old one or print only. As many sequential files as necessary are created to handle your entire collection of programs and, when you are ready, one continuous alphabetized listing with 100 titles per page is printed. Fast machine language sort, of course.

Also included on the disk is a fast **SEARCH** program which lets you check an incoming disk for duplicate titles. The duplicates are then flagged for you on the incoming disk with a back arrow. A hardcopy printout is available at your option.

DISK-A-BETIZER is also included. This program alphabetizes the titles on your disks for you and recovers **SCRATCHED** files should you need this option.

Compiled versions of **SEARCH** and **DISK-A-BETIZER** have been added to the original package as have three extra utilities called **PRINT LIB, EXPAND LIB** and **COMPARE LIB.**

Both require CBM Computer with 16K or 32K of memory, single or dual drive and CBM or ASCII printer.

Please specify your equipment when ordering. School purchase orders and personal checks welcome.

PRICE: $39.50 (U.S. Funds) each.

MIDWEST SOFTWARE • BOX 214 • FARMINGTON, MICH 48024 • PHONE (313) 477-0897

† This is a new entry in THE SOFTWARE FINDER.

COMALDOR

ATTENDANCE REPORT
Description: Accepts absentee names & homerooms, then sorts & prints names with associated homerooms
Syst(s): PET/CBM Price: $20
Min Hardware: 8K + tape, printer

CLASS ROLL MANAGEMENT
Description: Keeps track of adjustments to master schedule & pupil assignments due to student course changes
Syst(s): PET/CBM Price: $90
Min Hardware: 4032 PET,4040 disk,printr

CLASSLISTS
Description: Accepts, sorts, lists student names; stores on tape or disk
Syst(s): PET/CBM Price: $20
Min Hardware: 8K + tape or disk,printer

COMALDOR PROCTOR
Description: Builds & maintains data base of test items; drills students on-line or prints exer sheets; evaluates student responses, reports statistics.
Syst(s): PET/CBM Price: $150
Min Hardware: 32K+4040/8050 dsk,printer

FILEMASTER
Description: Accepts & alphabetizes student names, then stores on tape or disk; can then generate mark lists, interstaff field trip notices or attendance lists
Syst(s): PET/CBM Price: $20
Min Hardware: 16K + tape, printer

INVENTORY
Description: Accepts, maintains, & reports school's inventory of A/V equipment; 9 information fields per item
Syst(s): PET/CBM Price: $20
Min Hardware: 8K + tape, printer

LIBRARY CATALOGUE
Description: Makes all library cards from 1 entry; stores info for later retrieval; automatic formatting/spacing/printing of all special cards; write for samples.
Syst(s): PET/CBM Price: $150
Min Hardware: 16K+d,prtr w/ bottom feed

PERMISSION FORMS
Description: Asks 9 questions regarding event for which parental permission is requested, then prints form for duplicating
Syst(s): PET/CBM Price: $20
Min Hardware: 8K + tape, printer

SCHOOL FILE
Description: Keeps demographic data for 500 students; reports by grade, room, or entire school alphabetically or by grade; class lists for marks if grafx prntr.
Syst(s): PET/CBM Price: $25
Min Hardware: 16K + disk, printer

(WINTER '83 REVIEW)
A district looking for something LIKE this would be well-advised to consider
Curriculum Manager™
a product of PIE

COMM*DATA COMPUTER HOUSE

GUEST REGISTER
Description: Accepts & stores guest names & addresses; reports to screen or printer; can generate address labels for mailings
Syst(s): PET/CBM Price: $10.95
Min Hardware: 8K PET+tape; printer opt

MEDIA REGISTER
Description: Helps keep track of books, tapes, filmstrips, etc.; can report on screen or on printer.
Syst(s): PET/CBM Price: $10.95
Min Hardware: 16K + tape; printer opt'l

SCHOOL ADMINISTRATION G/L
Description: Creates & maintains general ledger accounts for school; provides monthly accounts in different sequences
Syst(s): PET/CBM Price: $49.95
Min Hardware: PET + disk + printer

COMPU-TATIONS

†MAIL/PHONE LIST
Description: Utility program for name, address & phone listings, including sort & mailing label capabilities
Syst(s): APPLE Price: $14.95
Min Hardware: 48K + disk,prntr,Applesft

COMPUTER RESOURCES INC.

MMS FOR SCHLS Attendance
Description: Package includes MMS FOR SCHOOLS Master File System; does daily & periodic attendance reports for up to 204 days & using up to 50 definable codes
Syst(s): APPLE TRS-80 Price: $500
Min Hardware: 48K, 2 disks, printer

MMS FOR SCHLS Master Files
Description: Stores & maintains up to 20 items of information on each student/employee; searches & sorts data; creates user-defined reports, mailing labels
Syst(s): APPLE TRS-80 Price: $300
Min Hardware: 48K, 2 disks, printer

CORP. FOR PUBLIC INFO. IN EDUCATION

THE CURRICULUM MANAGER
Description: Monitors student progress on individualized curriculum goals in 2 texts simultaneously; detailed reports at building, class & student levels
Syst(s): TRS-80 Price: $300
Min Hardware: 48K + disk, printer

DATA PROCESSING CONSULTANTS

†ATTENDANCE ACCOUNTING
Description: Daily & class attendance; rosters, locator cards, medical authorization report, master attendance book,tracking & placement
Syst(s): APPLE CP/M Price: $750
Min Hardware: 64K + disk, printer

†BUDGETARY WITH FUND ACCT'G
Description: General ledger,general journal, budgeting control & reporting, purchasing system, bank reconciliation system, 240 report
Syst(s): APPLE CP/M Price unknown
Min Hardware: 64K + disk, printer

†COMPLETE SCHOLASTIC PACK'G
Description: Master scheduling, arena registration, conflict matrix, course tallies, master student information base, teacher grade sheets
Syst(s): APPLE CP/M Price: $750
Min Hardware: 64K + disk, printer

†GRADE ACCOUNTING
Description: Master grade book, report cards, transcript labels, class schedules; reports: failure, ranking, GPA, honor roll, alphabet roster, locator cards
Syst(s): APPLE CP/M Price: $750
Min Hardware: 64K + disk, printer

†PAYROLL PACKAGE
Description: Up to 10,000 employees; does time sheets,deductions & payments reports, checks,fund reports,state ERA ESC & qtly reports; total fund accounting
Syst(s): APPLE CP/M Price: $950
Min Hardware: 64K + disk, printer

DESERT SOUND

READER
Description: Allows TRS-80 programs to control a Scantron 2012 Forms Reader; esp. useful in Attendance & Mark Reporting
Syst(s): TRS-80 Price: $175
Min Hardware: Model I/III + disk

DIGIPAC COMPUTER CONSULTING

†THE ATTENDANCE DESK
Description: Administrative data base; records different absence/late categories by period of day; automatic notices; accommodates 1,600 students
Syst(s): APPLE Price: $319.95
Min Hardware: 48K+2 disks,ptr,Aplsft

DTI DATA TREK

†ACQUISITIONS
Description: Invoices, tracks & receives anything needed by library;incl cost allocation, cost center control, vendor file, Boolean searching
Syst(s): CP/M Price: $2450
Min Hardware: As necessary for CP/M

†CATALOG
Description: Provides on-line Boolean searches, printed catalog, direct interface w/ Acquisitions module; gives shelf report, new acquisit's list, auth ctrl
Syst(s): CP/M Price: $2450
Min Hardware: As needed for CP/M

†CIRCULATION
Description: Supports libr check in/out, hold, renewal; does overdue reports & notices, usage & borrower reports; has user database; is barcode adaptable
Syst(s): CP/M Price: $2450
Min Hardware: As needed for CP/M

†SERIALS
Description: Provides routing slip maintenance & production, check in, claims & renewal alerts; incl serials catalog,vendor database, routing slip control
Syst(s): CP/M Price: $2450
Min Hardware: As needed for CP/M

EDUCATIONAL ACTIVITIES

†MEDIA & EQUIPMENT MANAGEMT
Description: Assists in medium-sized centers with handling management tasks in an efficient manner; TRS-80 is Model III
Syst(s): APPLE PET/CBM TRS-80 Price: $98
Min Hardware: 48K + disk, printer

EDUCATIONAL COURSEWARE

INVENTORY
Description: Inventory control for a small school
Syst(s): APPLE Price: $32
Min Hardware: 48K+DOS3.2.1/3.3, printer

† This is a new entry in THE SOFTWARE FINDER.

EDUCATIONAL SERVICES MANAGEMENT

ATTENDANCE REPORTING SYST
Description: Internal/external reports for any size school; 8 user-defined absence categ's; reports daily attendance, individ. stud't history,many summaries
Syst(s): APPLE Price: $550
Min Hardware: 64K Apple II + 2 dsks,ptr

EDUCATIONAL SOFTWARE MARKETING

†ESM-100
Description: Administrative program for student records, scheduling, attendance & tracking; written in COBOL; requires two disk drives, 80-col prtr; scanner optl
Syst(s): APPLE TRS-80 CP/M Price: $2495
Min Hardware: 64K Ap+CP/M; 48K TRS Mod3

EDUCATIONAL TESTING SERVICE

SIGI-INTERACTIVE GUIDANCE
Description: A computerized career guidance system that helps students develop individual career plans; price /$1200/yr.
Syst(s): TRS-80 Price: $12
Min Hardware: 64K Mod II+2 dsks, PASCAL

EDUCOMP

LIBRARY PROCESSES SYSTEM
Description: Produces catalog cards, book lists & AV catalogs;does subject searches; accepts and maintains up to 725 items per disks; sorts by call nos.; Ap ver $200
Syst(s): APPLE TRS-80 Price: $150
Min Hardware: 48K+2d,ptr;TRS Modl/2/3

EVANS NEWTON INC.

PROJECT ATTEND
Description: Monitors, evaluates attendance, up to 10 periods/day, any size school; user-defined reports; data entry by premarked cards; req's card reader
Syst(s):APPLE PET/CBM TRS-80 Price:$1995
Min Hardware: 2 dsks; App/TRS48K,CBM32K

PROJECT BASIC
Description: Scores tests & monitors/-evaluates stud't progress on goals/obj's; 15 reports at student, program & district levels; req's card rdr, 2 disks,printr
Syst(s):APPLE PET/CBM Price: $1995
Min Hardware: App48K+lang cd; CBM 32K

PROJECT I.E.P.
Description: Scores tests, monitors and evaluates student progress on goals/objectives & state guidelines; requires card reader, 2 disks, printer
Syst(s): APPLE Price: $1995
Min Hardware: App 48K+lang cd;CBM 32K

PROJECT TEST
Description: Scores tests to 100 items, does item analysis with recommended assignments for missed items, & summary analysis of the scored tests
Syst(s):APPLE PET/CBM Price: $295
Min Hardware: 32K+2 dsk,card rdr,printr

PROJECT TIME
Description: Compiles, analyzes, stores & reports pre-/post- results on standardized tests for Federal Program Coordinators; test answer cards read by machine
Syst(s): PET/CBM Price: $1995
Min Hardware: 32K+2 dsk,card rdr,printr

J.L. HAMMETT

LIBRARY CIRCULN/OVERDUE BK
Description: Records, stores & reports book circulation information; can request reports by student name, grade level, title, author, due date & catalog no.
Syst(s): APPLE PET/CBM TRS-80 Price: $59
Min Hardware: 32K + disk, printer

H.E.I. INC.

†CAM-ACHIEVEMENT MONITORING
Description: Scores tests answered on marked cards, reports student prog on instruct'l goals & obj's; up to 100 obj's for up to 200 students in 4 groups
Syst(s): APPLE Price $150
Min Hardware: 48K+2dsks,80-col prtr,cdr

†HEI-SCHOOL ATTENDANCE
Description: Records & reports daily and term attendance info; card rdr input;up to 2,000 students, 8 per's/day; daily reprts by schl,homerm,teacher and/or grade
Syst(s): APPLE Price: $195
Min Hardware: 48K+2dsks,80-cl prtr,cdr

†HEI-SCORE
Description: Input on marked cards;reprts student scores & scored responses,test analysis,frequency distrib of test scores; 1-50 items per test,mult-choice/T-F
Syst(s): APPLE Price: $99
Min Hardware: 48K+dsk,80-col printr,cdr

†MASTERY MANAGEMENT
Description: Scores mastery tests (card input),stores & reports group & individual status,individ studt results,course summ, test item analysis;400 obj's,900 studs
Syst(s): APPLE Price: $300
Min Hardware: 48K+2dsks,80-col prtr,cdr

†SCORE - TEST ANALYSIS
Description: From marked cards or keybrd, scores tests,does freq distrib'ns,item analyses, gradebook listings, and complete descr statistics, individ & cumulative
Syst(s): APPLE Price: $4500
Min Hardware: 48K+2dsks,80-col prtr,cdr

INTEGRAL COMPUTER SYSTEMS

CAPPS
Description: Total school district financial management system; budget, accounts payable,payroll; uses floppy or hard dsk.
Syst(s): CP/M Price: $7000
Min Hardware: As necessary for CP/M

INTERNATIONAL MICRO SYSTEMS

SCHOOL ADMINISTRATION SYST
Description: Comprehensive schl administrative pkg; incl stud'g schedul'g & records, fund accounting, payroll, fixed asset accounting & accounts payable
Syst(s): TRS-80 CP/M Price: $3000
Min Hardware: TRS64K ModII+2 dsks, prtr

LEARNING TOOLS INC.

ADMINISTRATIVE PLAN'G SYST
Description: Uses individual client records to create admin. reports; can be used for program planning, monitoring; price incl other 2 Learning Tools programs
Syst(s): APPLE Price: $2000
Min Hardware: UCSD Pascal,64K,2 dsk,ptr

CURRICULUM MANAGEMENT SYST
Description: Centralizes information and helps in develop'g curricula & planning instr'n; facilitates curriculum sharing; price incl other 2 Learning Tools prgs
Syst(s): APPLE Price: $200
Min Hardware: UCSD Pascal,64K,2 dsk,ptr

TEACHER PLANNING SYSTEM
Description: Creates individual student records using a template created by user; has authorization system;can create IEPs; price incl other 2 Learning Tools prgs
Syst(s): APPLE Price: $2000
Min Hardware: 64K + 2 disks, printer

TEACHER'S GRADEBOOK

Features the production of seating charts, ease of data entry/editing, user defined and weighted fields to own grading system, and of special interest is the constant update of student averages as data is added.

DISK 49.95 TAPE 34.95

THE TEACHING ASSISTANT
22 SEWARD DRIVE
HUNT. STA., NY 11746

LIBRARY SOFTWARE CO.

THE A-V CATALOG WRITER
Description: Designed to create, update, and print an in-house catalog of A-V holdings by subject and call number.
Syst(s): APPLE TRS-80 Price: $69.95
Min Hardware: 48K+dsk,ptr;Apple+Aplsft

THE BIBLIOGRAPHY WRITER
Description: Designed to create and update subject bibliographies in either author or call number order.
Syst(s): APPLE TRS-80 Price: $49.95
Min Hardware: 48K+dsk,ptr; Apple+Aplsft

THE ELEM'RY OVERDUE WRITER
Description: Library circulation system for elementary schools; produces overdue notices, bills & lists by room.
Syst(s): APPLE TRS-80 Price: $149.95
Min Hardware: 48K+dsk,ptr;Apple+Aplsft

THE OVERDUE COLLECTOR
Description: Used with The Overdue Writer, this program accumulates on a single disk all records of books still not returned.
Syst(s): APPLE TRS-80 Price: $49.95
Min Hardware: 48K+disk; Apple+Applesoft

THE OVERDUE WRITER
Description: Stores all circulation information, maintains it, and produces overdue notices, bills, and lists
Review: TCT 6/82
Syst(s): APPLE TRS-80 Price: $149.95
Min Hardware: 48K + disk, printer

THE OVERNIGHT WRITER
Description: Circulation program to handle short or overnight check-outs or special collections.
Syst(s): APPLE TRS-80 Price: $39.95
Min Hardware: 48K+dsk,ptr;Apple+Aplsft

CHARLES MANN & ASSOCIATES

ATTENDANCE
Description: Accepts, stores & reports daily excused & unexcused absences & tardies; produces all summaries necessary; interfaces with schedul'g & grad'g sys
Syst(s): APPLE Price: $299.95
Min Hardware: 48K + 2 disks, printer

CLASS SCHEDULING SYSTEM
Description: Assigns up to 2400 students to master schedule;test run for conflicts; handles req'd cses, study halls, lunches;

† This is a new entry in THE SOFTWARE FINDER.

interfaces grad'g syst. Rev: IW 3/2/81
Syst(s): APPLE Price: $349.95
Min Hardware: 48K + 2 disks, printer

GRADING SYSTEM PROGRAMS
Description: Prepares class rosters, student class schedules, grade summaries, report cards & honor roll for large school; interfaces w/ sched'g,attend'c systems
Syst(s): APPLE Price: $299.95
Min Hardware: 48K + 1 disk, printer

MASBO COOPERATIVE CORP.

†CUS/STAFF (tm)
Description: Computes no. of custodians needed by school distr or college based on specific characteristics of the institution's facilities; w/ manual,audiotape
Syst(s): APPLE Price: $245
Min Hardware: 48K + DOS 3.3

MERLAN SCIENTIFIC

MASTER ATTENDANCE PROGRAM
Description: Records, maintains, reports attendance data; up to 9 subjects per student.
Syst(s): PET/CBM Price: $200
Min Hardware: 32K + disk

MASTER SCHEDULING PROGRAM
Description: Prepares master schedule for school based on numbers of requests for ea subject; accepts constraints as required; 220 cses on 4040 dsk,many more on8050.
Syst(s): PET/CBM Price: $300
Min Hardware: 32K+dual disks,printer

SCHOOL BUDGET PROGRAM
Description: Records, maintains, reports money spent by school departments; incl's search routines, screen viewing of dep't accounts; reports by account.
Syst(s): PET/CBM Price: $75
Min Hardware: 16K + disk

STUDENT TIMETABLE UPDATE
Description: Accepts cse requests, adds/-drops; balances class sizes as assigns students; prints new stud't schedules,cse delete notices, full master schedule.
Syst(s): TRS-80 Price: $300
Min Hardware: 32K + dual disk drives

MICRO EDUCATION APPL'N NETWORK

MODULAR STUDENT MGT SYSTEM
Description: Maintains pupil records in special education & develops IEP from objectives bank; sorts data; writes reprts; price variable depending on syst size
Syst(s): APPLE Price: $485
Min Hardware: 48K + 2 disks, printer

MICRO-MUSIC INC.

UNIFORM MASTER I
Description: Inventory accounting for music uniforms; records, assigns, and stores five parts of 110 uniforms.
Syst(s): APPLE Price: $190
Min Hardware: 48K + DOS 3.2/3.3

MICROPHYS

ATTENDANCE SYSTEM
Description: Maintains & reports attendance data for up to 2500 students; prints daily report & summary statistics; retrieves absences for any time interval
Syst(s): PET/CBM Price: $600
Min Hardware: 32K + disk, printer

SCHEDULING-UPDATE SYSTEM
Description: Accepts student schedule/-course changes, prints add-drop forms, new class lists, student schedules & course directory as necessary
Syst(s): PET/CBM Price: $500
Min Hardware: 32K + 2 disks, printer

MINN. EDUCAT'L COMPUTING CONSORT'M

SCHOOL UTIL V1-PROJECTION
Description: Projects school salaries, enrollment, and revenue; revenue projection uses Minnesota tax figures
Syst(s): APPLE Price: $36.59
Min Hardware: 48K + disk, printer

MONUMENT COMPUTER SERVICE

ASSISTANT PRINCIPAL
Description: Does student scheduling and mark reporting; prints class rosters, stu-schedules, teacher assignments, report cards, student master records & more
Syst(s): APPLE Price: $650
Min Hardware: 48K+Aplsft,2 dsks,printer

ROLL CALL
Description: Accepts, stores & reports daily attendance data; prints daily bulletin & periodic summary reports; interfaces with mark reporting system
Syst(s): APPLE Price: $300
Min Hardware: 48K+Applesoft,dsk,printer

MOUNT CASTOR INDUSTRIES

ATTENDANCE PROGRAM
Description: Daily attendance, monthly summaries; day-by-day listing of status; monthly and year-to-date totals for each grade.
Syst(s): APPLE PET/CBM TRS-80 Price: $195
Min Hardware: Ap,TRS48K/CBM32K+dsk,ptr

THE CLASSIFIER
Description: Tallies course requests,creates master schedule,prints student/teacher schedules,class rosters & room usage rept. Req 32K PET+2k or 48K App/TRS,2d
Syst(s): APPLE PET/CBM TRS-80 Price: $495
Min Hardware: See above

ORCHARD SYSTEMS

†CIRCULATION MANAGEMENT SYS
Description: Tracks 600 library items fr/checkout to return, more w/ mult disket's; auto fine assessment,overdue slips/lists, on-line book locator; other reports
Syst(s): APPLE Price: $150
Min Hardware: 48K+ DOS 3.3, 132-col ptr

PARALAX B.V.

ROSTAR- MASTER SCHEDULES
Description: Generates master timetables for schools of up to 2400; considers distance between rooms, amount of homework, room use, hrs/subj/wk, and much more
Syst(s): APPLE Price: $2000
Min Hardware: 48K + 2 disks, printer

PERSIMMON SOFTWARE

†DROP/ADD
Description: Handles many functions required for departmental enrollment process, including creation of waiting lists; runs on Franklin; listing avail
Syst(s): APPLE Price: $35
Min Hardware: 48K+ disk,printer,Applsft

POWELL ASSOCIATES INC.

SIMSYS - MAIN MODULE
Description: Allows non-programmer to create, maintain, search, sort, merge & print data files; 2000 stud'ts/diskette; opt'l numeric data entry by doc reader
Syst(s): TRS-80 Price: $450
Min Hardware: 64K ModII, disk, printer

SIMSYS - STATISTICS MODULE
Description: Computes on selected data: mean,std dev,min/max, correl'ns, x-tabulations, histograms, freq distrib'ns; data entry by doc reader;req's Main Module
Syst(s): TRS-80 Price: $100
Min Hardware: 64K Mod II, disk, printer

SIMSYS - TEST SCORING PKG
Description: Creates & maintains item bank, builds, scores & does statistics for tests; up to 12 domains,15 objectives per domain; requires Simsys Main Module
Syst(s): TRS-80 Price: $200
Min Hardware: 64K + disk, printer

SIMSYS-SCHOOL ADMIN MODULE
Description: Does attendance reports, report cards, counselor student profiles,Title I analysis, mail labels; data entry by doc reader; req's Simsys Main Mod
Syst(s): TRS-80 Price: $150
Min Hardware: 64K ModII, disk, printer

PROFESSIONAL COMPUTER SYSTEMS

THE LIBRARIAN
Description: Stores 500 references per disk on any publication type; very fast search & retrieval on up to 8 info categories or keywds w/in text of abstract
Syst(s): APPLE Price: $29.95
Min Hardware: 48K, disk, printer opt'l

RADIO SHACK

REKORD ADMINISTRATOR
Description: Records and reports student data; designed for school administrator with no previous computer experience.
Syst(s): TRS-80 Price: $499
Min Hardware: 48K Mod I/III+dsk,printer

REKORD COUNSELOR
Description: Stores & retrieves student records or prints student reports for review before counseling sessions;for guidance personnel without computer exper.
Syst(s): TRS-80 Price: $499
Min Hardware: 48K Mod/III+dsk, printer

REKORD SPECIAL PROGRAMS
Description: Stores and reports student data for the coordinator of specially funded instructional programs who has no previous computer experience.
Syst(s): TRS-80 Price: $499
Min Hardware: 48K ModI/III+dsk,printer

RANDOM HOUSE

CAREER INFORMATION SYSTEM
Description: Gives careers quiz,reports & stores results; selectively retrieves career information from data base including 240 job titles, local & nat'l info.
Syst(s): APPLE Price: $375
Min Hardware: 32K+2 dsks,DOS3.3,Aplsft

RDA SYSTEMS

†MICRO BUDGET
Description: Financial management,vendor payments,payroll encumbrances, A/C recvbl, food services & stud't activity account; $2-8,000 depending on modules selected
Syst(s): APPLE CP/M Price: $20
Min Hardware: 48K+disk,printer,CP/M

† This is a new entry in THE SOFTWARE FINDER.

READER'S DIGEST SERVICES INC.

LISTMAKER
Description: Information mgt system keeps & updates files; prints form letters,grade reports & labels; user-friendly.
Syst(s): APPLE TRS-80 Price: $97.50
Min Hardware: 48K + disk

RINGGOLD MANAGEMENT SYSTEMS

†CIRCULATION CONTROL
Description: Full inventory control of circulation; item reserves, patron holdings, overdues; search by title or patron name
Syst(s): TRS-80 CP/M Price: $15000
Min Hardware: 64K TRS ModII/16+dsk,prtr

SCHOOL & HOME COURSEWARE INC.

HARTS III
Description: Complete student accounting system consisting of 4 integrated subsystems for demographics, scheduling, period attendance and report cards
Syst(s): APPLE Price: $3995
Min Hardware: 48K+ROM Aplsft,2dsk,prntr

SCHOOL MANAGEMENT SYSTEMS

ACCOUNTS PAYABLE SYSTEM
Description: All normal functions, check printer, vendor file & auto payment of fixed items; interfaces with fund acct'g; CP/M,TRS/App+hard dsk or TRS+2-8"dsks
Syst(s): APPLE TRS-80 CP/M Price: $325
Min Hardware: 64K TRS80 Mod II/Apple II

ATTENDANCE SYSTEM
Description: Maintains attend'nc data for 1000 stud'ts; reports daily absences, 10 per/day,gr 1-12; user defined codes; complete report'g for schl support &more.
Syst(s): APPLE CP/M Price: $395
Min Hardware: 56K+2 disks,printer; CP/M

CARDPRIN/II SYSTEM
Description: Maintains data on print materials holdings,prints catalog card/label sets; displays all info before printing, allowing editing; multiple card sets.
Syst(s): APPLE TRS-80 CP/M Price: $95
Min Hardware: Apple CP/M; TRS48K+2dsks

FUND ACCOUNTING SYST(V.03)
Description: Interfaces with A/P system; 20-digit user-defined acc't structure & sorts on 8 fields allow detailed reports; CP/M,TRS/App+hard dsk or TRS+2 8" dsks
Syst(s): APPLE TRS-80 CP/M Price: $295
Min Hardware: 64K TRS80 Mod II/Apple II

LIBSTATS
Description: Accumulates daily library circulation statistics for up to 10 mos.; based on Dewey Dec syst; separate fiction/SC stats; reports for mo. or yr.
Syst(s): APPLE CP/M Price: $45
Min Hardware: 56K+2 disks,printer, CP/M

SALCALC
Description: Generates salary schedules, placement scattergrams, and total cost of instructional staff; ideal for budg prep, "what if" fixed costs, negotiations.
Syst(s): APPLE CP/M Price: $75
Min Hardware: 48K + Z-80 card, 2 disks

SCHOOL PAYROLL SYSTEM
Description: Checks, records & reports for up to 500 employees; 8 user defined deduct'n categ's;many audit trail reprts; CP/M,TRS/App+hard dsk or TRS+2 8"dsks
Syst(s): APPLE TRS-80 CP/M Price: $1500
Min Hardware: 64K TRS80 Mod II/Apple II

STUDENT BILLING SYSTEM
Description: Manages accounts receivables for student fees; prints statements incl'g late charges; reports balances due w/ YTD activity, cumulative receivables, etc.
Syst(s): APPLE CP/M Price: $325
Min Hardware: 48K + Z-80 card, 2 disks

STUDENT RECORD SYST (V.03)
Description: Scheduling, mark reporting & transcripts for up to 2300 students; 6-/7-period day, 4-pt grading; many reports; CP/M,TRS/App+hard disk or TRS+2 8"dsks
Syst(s): APPLE TRS-80 CP/M Price: $350
Min Hardware: 64K TRS80 Mod II/Apple II

SCHOOL OFFICE SOFTWARE

†ATTENDANCE REPORT'G SYS II
Description: Handles schl of any size; 8 user-defined absence categ's (3 per-by-per for up to 8 pers); reports daily attend; indiv studt hist,homerm rosters,summ's
Syst(s): APPLE Price: $600
Min Hardware: 64K+2dsks,prntr;cdr opt'l

SOFTWARE RESEARCH CORP.

ATTENDANCE PROGRAM
Description: Attendance rec'ds for 1200 stud'ts; absence lists, bi-monthly attendance totals, parent letrs, report cards; price includes other 2 SRC programs
Syst(s): APPLE Price: $600
Min Hardware: 48K+2 dsks,card rdr,prntr

DEMOGRAPHIC/SCHEDULING PRG
Description: Confl matrix from course requests; after self-sched'g, does class, grade,locker lists; timetables; address labels; price incl other 2 SRC prog'ms
Syst(s): APPLE Price: $600
Min Hardware: 48K+2 dsks,card rdr,prntr

TEXTBOOK PROGRAM
Description: Records on up to 990 texts; lists them alphabetically by dep't, prints forms used in debit-credit text inventory syst; price includes other 2 Jem progs
Syst(s): APPLE Price: $500
Min Hardware: 48K+2 dsks,card rdr,prntr

SOFTWARE TECHNOLOGY

†STUDT SCHEDUL'G & TRACKING
Description: Totally integrated student scheduler & report program; for schools of up to 5,000 students; also available for IBM Personal Computer
Syst(s): APPLE CP/M Price: $4000
Min Hardware: 48K + disk, printer

ST. JOHN'S HIGH SCHOOL

ABSENTEE
Description: Stores & reports daily absentee data; prints daily alfa list of absentees, tardies, early dismissals, & no. of consecutive absences;other reports.
Syst(s): TRS-80 Price unknown
Min Hardware: 48K ModIII+2dsks,printer

AD DRIVE
Description: Records & reports ads sold for schl show; reports ads sold daily, all ads by student or source, ads not repeated & ads by amount;does bill'g labels.
Syst(s): TRS-80 Price unknown
Min Hardware: 48K ModIII+2 dsks,printer

AUCTION
Description: Records & reports sales at fund-raising auctions; items & buyers are entered beforehand, permitting immediate & accurate acctg when buyer leaves.
Syst(s): TRS-80 Price unknown
Min Hardware: 48K ModIII+2 dsks,printer

VFILE
Description: Stores & reports student names, addresses, telephone nos. and other necessary data; also prints students' classr'ms by period;very useful lists.
Syst(s): TRS-80 Price unknown
Min Hardware: 48K ModIII+2 dsks,printer

TEACHER'S PET

ENROLLMENT
Description: Computes enrollment figures by grade & school for Calif state reports; teacher names entered in DATA statements; disk version $10.95
Syst(s): PET/CBM Price: $7.95
Min Hardware: 8K + tape

TRINITY HIGH SCHOOL

ATHLETIC DIR'S RIGHT HAND
Description: Given eligibility information, prints std eligibility form;compiles awards & varsity participation records; reports in alpha or numeric order
Syst(s): TRS-80 Price: $15
Min Hardware: 48K Mod I+2 dsks,printer

UNICOM

GRADE REPORTING
Description: Maintains grade file; prints report cards; computes GPA,earned credits, honor roll, class ranks; handles complex grading systs; on-line data retrieval.
Syst(s): APPLE Price: $250
Min Hardware: 48K+ROM Apsft,2d,132c ptr

SCHOOL INVENTORY
Description: Maintains resource file; on-line retrieval of patron & circul'n data; prints overdue lists & notices; reports patron statistics, item usage.
Syst(s): APPLE Price: $250
Min Hardware: 48K+ROM Apsft,2d,132c ptr

WINNEBAGO SOFTWARE

LIBRARY CIRCULATION SYSTEM
Description: Check in/out with bar wand, eliminat'g book cards; reports overdues, items checked in & out; handles 18,000 items, 3,000 names, 10% overdues.
Syst(s): APPLE CP/M Price unknown
Min Hardware: 48K+2dsks,grf ptr,bar wnd

† This is a new entry in THE SOFTWARE FINDER.

Abbott Educational Softwe
334 Westwood Avenue
E. Longmeadow, MA 01028
413/525-3462

Academic Software
22 East Quackenbush Ave.
Dumont, NJ 07628

Academy Software
P.O. Box 9403
San Rafall, CA 94912
408/559-8000

Acorn Software Products
634 No Carolina Ave SE
Washington, DC 20003
202/544-4259

Active Systems, Inc.
Box A-187
Hanover, NH 03755
603/643-2381

Addison-Wesley Publish Co
Reading, MA 01867
617/944-3700

AdminAid MicroSoftware
886 Bransford Court
Fairfield, CA 94533

Ahead Designs
699 N. Vulcan #88
Encinitas, CA 92024
714/436-4071

ALF Products, Inc
1448 Estes
Denver, CO 80215

American Guidance Service
Publisher's Building
Circle Pines, MN 55014

The Answers In Computers
6035 Univ. Ave-Ste #7
San Diego, CA 92115
714/287-0795

Anthro-Digital, Inc.
103 Bartlett- POB 1385
Pittsfield, MA 01201
413/448-8278

Applecart
515 N. Franklin
Juneau, AK 99801

Apple Computer Co.
Contact local retailer

Apple Educators Newsltr.
9525 Lucerne
Ventura, CA 93004

Applied Educational Syst.
RFD #2, Box 213
Dunbarton, N.H. 03301
603/774-6151

Applied Systems Inc.
U.S. Route 4
Barrington, NY 03825
603/868-2844

Aquarius Publishers, Inc.
P.O. Box 128
Indian Rocks Beach
FL 33535
813/595-7890

Artworx
150 North Main Street
Fairport, NY 14450

Atari Program Exchange
155 Moffett Pk-Box 427
Sunnyvale, CA 94086
408/745-5535

Atari, Inc.
Contact local retailer

Athena Software
727 Swarthmore Drive
Newark, de 19711
302/738-6953

A.U. Software
P.O. Box 597
Colleyville, TX 76034
817/267-5236

Avant Garde Creations
P.O. Box 30160
Eugene, OR 97403
503/345-3043

Robert Baker, Jr.
5845 Topp Court
Carmichael, CA 95608
916/972-1931

Barron Enterprises
714 Willow Glen Road
Santa Barbara, CA 93105

Basics & Beyond
Box 10
Amawalk, NY 10501
914/962-2355

BCD Associates, Inc.
5807 S.W. 5TH, Sutel01
Oklahoma City, OK 73128
405/524-7403

Behavioral Engineering
230 Mount Hermon Rd.
Suite 207
Scotts Valley, CA 95066
408/438-5649

Bell & Howell Micro Systs
Audio Visual Products Div
7100 No McCormick Road
Chicago, IL 60645
312/262-1600

Benchmark Computing Servs
P.O. Box 385
Providence, UT 84332

Bertamax, Inc.
101 Nickerson-Ste 550
Seattle, WA 98109
206/282-6249

Melvin Billik
412 Hollybrook Drive
Midland, MI 48640
517/631-7607

BIPACS
33 West Walnut Street
Long Beach, NY 11561
516/432-1187

James P. Birk
Department of Chemistry
AZ State University
Tempe, AZ 85287
602/965-3129

BLS/Random House, Inc.
400 Hahn Road
Westminster, MD 21157
800/638-6460

Borg-Warner Educat'nl Sys
600 W University Drive
Arlington Hgts, IL 60004
800/323-7577

Brain Bank, Inc.
220 Fifth Ave. Dept A
New York, NY 10901
212/686-6565

Cactus Software
1442 No. McAllister
Tempe, AZ 85281
602/945-1667

CALICO, Inc.
P.O. Box 15916
St. Louis, MO 63114

Cambridge Development Lab
36 Pleasant Street
Watertown, MA 02172
617/926-0869

Cavri Systems
26 Trumbull Street
New Haven, CT 06511
203/562-4979

Ctr. Educ. Experm. Dev Ev
218 Lindquist Center
The University of Iowa
Iowa City, Iowa 52242

Chariot Software Group
3101 Fourth Avenue
San Diego, CA 92103
714/298-0202

Class 1 Systems
17909 Maple Street
Lansing, IL 60438
312/474-4664

Classic Software Prod'ns
7566 John Avenue
St. Louis, MO 63129

Color Software Services
P.O. Box 1708
Greenville, TX 75401
214/454-3674

Comaldor
PO Box 356 Postal Stat 0
Toronto, Ontario
Canada M4A 2N9
416/751-7481

Comm*Data Computer House
P.O. Box 325
Milford, MI 48042
313/685-0113

COMPress
P.O. Box 102
Wentworth, NH 03282
603/764-5831

Compumax
P.O. Box 7239
Menlo Park, CA 94025
940-25

Compu-Tations
P.O. Box 502
Troy, MI 48099

Computer Advanced Ideas
1442A Walnut St-Ste341
Berkeley, CA 94709
415/526-9100

Computer Courseware Serv.
300 York Avenue
St. Paul, MN 55101
800/328-1452

Computer Information Exch
P.O. Box 159
San Luis Rey, CA 92068
714/757-4849

Computer Island
227 Hampton Green
Staten Island, NY 10312

Comp Learning Ctr for Child
1775 E. Tropicana Ave.
Liberace Plaza #8
Las Vegas, NV 89109

Comptr Resources Inc-CRI
Route 4
Barrington, NH 03825
603/868-5337

Computer Systs Design Grp
3632 Governor Drive
San Diego, CA 92122
415/856-1954

Computerware
P.O. Box 668
Encinitas, CA 92024

Computrex Computer Servs.
P.O. Box 536
Inman, SC 29349

Compuware
15 Center Road
Randolph, NJ 07869
201/366-8540

ComQuest
221 E. Camelback, St 1
Phoenix, AZ 85012
602/264-0324

Concept Educational Software
P.O. Box 6184
Allentown, PA 18001
215/266-1679

CONDUIT
P.O. Box 388
Iowa City, IA 52244
319/353-5789

Coordinated Occupational
Information Network
1546 Dartford Road
Maumee, OH 43537
419/866-4088

Corp. for P.I.E.
1714 Ilinois
Lawrence, KS 66044
913/841-3095

Counterpoint
Suite 140C
Shelard Plaza
Minneapolis, MN 55426
800/328-1223

Cove View Press
Box 810
Arcata, CA 95521
707/822-7079

Cow Bay Computing
Box 515
Manhasset, NY 11030

Creative Educational Serv
P.O. Box 588
Oak Ridges
Ontario, Canada L0G 1P0

Creative Educational Serv
36 River Avenue
Monmouth Beach, NJ 07750

Creative Publications
P. O. Box 10328
Palo Alto, CA 94303
415/968-3977

Cross Educational Software
P.O. Box 1536
Ruston, LA 71720
318/255-8921

Curriculum Applications
P.O. Box 264
Arlington, MA 02174

Cybernetic Information Sy
Box 9032, Upper Union
Schnectady, NY 12309

Cybertronics Internat'nl
999 Mount Kemble Ave.
Morristown, NJ 07960

Dr. Daley's Software
Water Street
Darby, MT 59829

Data Command
P.O. Box 548
Kankakee, IL 60901

THE COMPUTING TEACHER

Journal of The International Council for Computers in Education

- Computers in Elementary Education
- Computers in Junior High School
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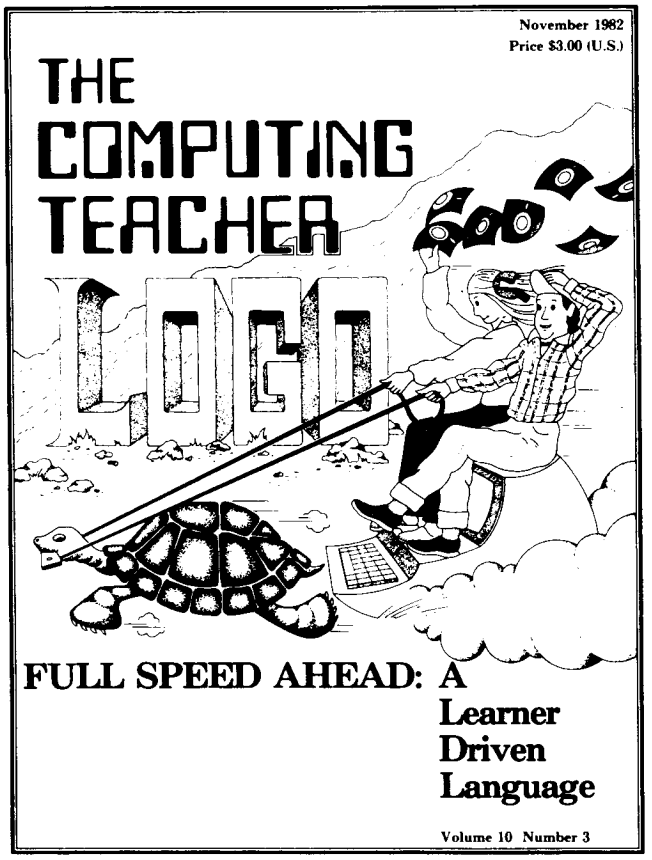

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The Computing Teacher, published monthly, September-May, is a journal for precollege educators who are making instructional use of computers or who are concerned with how computers are affecting the content and process of education. Each issue contains information of use to the beginner as well as to the more experienced computer user. TCT features articles, software reviews, book reviews, film reviews and special columns, including Computers in the Teaching of English, Computers in the Media Center, Computers in Science Education and Computers in the Arts and Humanities.

The Computing Teacher is a publication of The International Council for Computers in Education, a nonprofit corporation. ICCE has members from every state in the United States and 5 Canadian provinces, as well as from many other countries. ICCE is dedicated to helping teachers learn about computers in education and to improving education at all levels.

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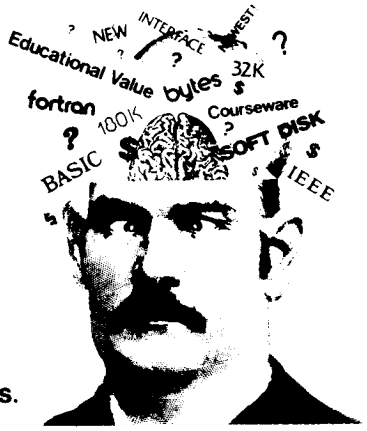

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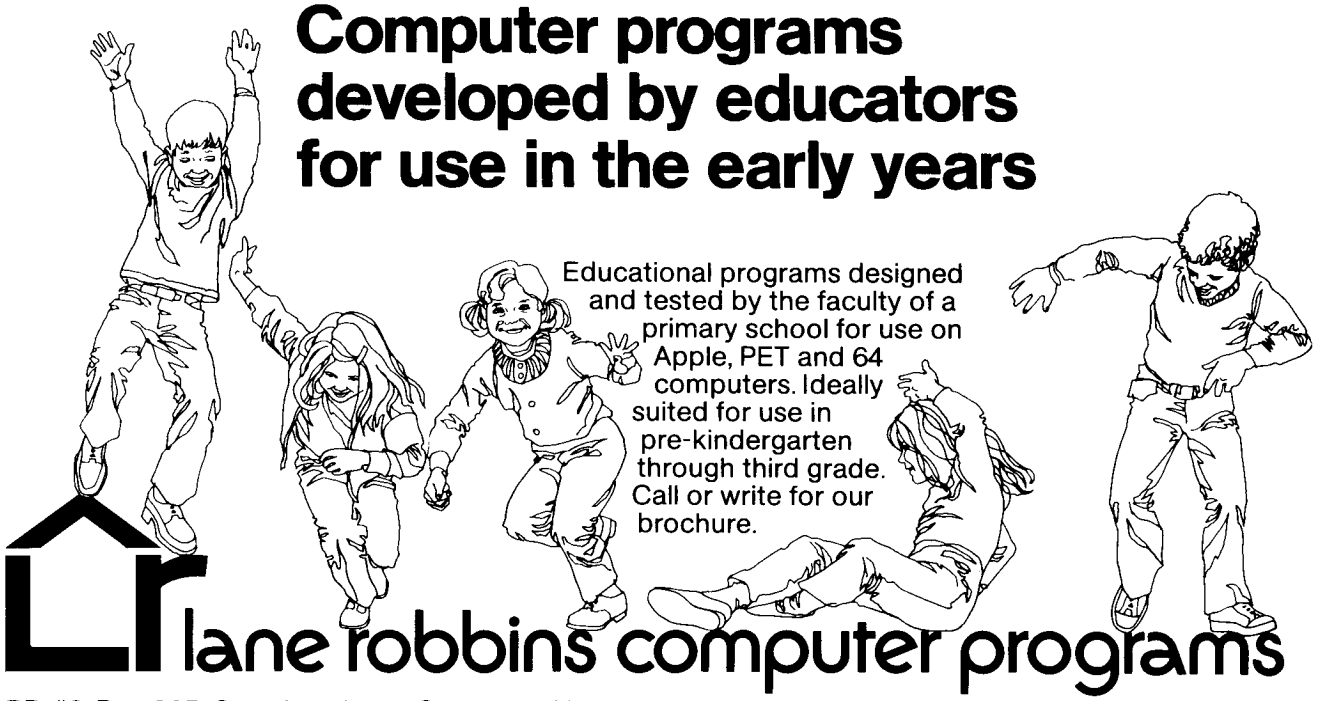

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GLOSSARY

Definitions are given here for some of the terms used in this directory, mostly to categorize programs, which might not be familiar to the reader. The abbreviated forms given in parentheses following some of the terms are those used in the entries in subsection II-1.

AUTHOR LANGUAGE (AUTHOR LANG) - Computer is used to translate a language which allows one to create tutorial and drill/practice dialogs without knowing how to program a computer.

COMPUTATIONAL TOOL (COMPUTL TOOL) - Computer's speed and storage capacity are used to do jobs which would consume much time if done manually (e.g., statistical calculations) and thereby free up students and/or teacher to concentrate on principles being taught.

CONCEPT DEMONSTRATION (CONCEPT DEMO) - Computer is used to illustrate, usually dynamically, the operation of a principle, e.g., daily compounding of interest, a function approaching a limit, etc.

DATA BASE RETRIEVAL (DATA RETR'VAL) - Computer is used to place at student's disposal a large body of data about a given situation (e.g., census or election results) as a laboratory for testing of alternate hypotheses to explain a phenomenon in the situation, e.g., why one section of the country has traditionally given strong support to a particular political party.

EDUCATIONAL GAME (EDUC'L GAME) - Computer plays, or provides computational support for, a game in which one or more students participates and in the process learns new concepts or skills.

IN PKG (also simply "pkg") - The program so described is distributed only as part of a collection of programs; it usually cannot be purchased separately.

LANGUAGE PROCESSOR (LANG PROCESSOR) - The computer is used to translate a language (e.g., BASIC, FORTRAN, PILOT) which enables a program author to more easily communicate with the computer than might be possible otherwise. Various types of language processors exist, including compilers, interpreters, and assemblers.

LONG-TERM PROJECT (LNG TERM PROJ) - The student writes a significant computer program as part of a major project lasting several weeks or months, the purpose being to increase the student's understanding of concepts in a disciplinary area, e.g., physics, as well as his or her understanding of higher level computer applications. Examples of such programs are games such as Lunar Lander, data base retrieval programs to assist in testing hypotheses, and simulations of various physical and biological processes.

MACHINE LANGUAGE (Machin) - The internal language of the computer; usually the machine language of one type of computer is not intelligible to another type of computer. Most microcomputer systems are equipped to run programs written in their own machine language without the use of a language processor.

ON DISK (also "on disk", "disk", or simply "dsk") - The program or package so described is distributed only on diskette,or a disk drive is required for its operation.

ROTE DRILL - The computer is used to administer drills to help students learn material requiring little or no new skills, e.g., dates, arithmetic tables, etc. The computer provides immediate feedback regarding correctness of student responses; it also may report over-all performance.

SKILLS PRACTICE (SKILLS PRACT) - The computer is used to provide exercises enabling the student to practice new skills such as factoring, conversion between metric units, musical pitch discrimination, etc. Immediate feedback is given to the student regarding his or her responses. A program also may record and report performance.

TEACHER AID - The computer is used to serve the teacher in ways which will improve his or her efficiency, especially by saving time. This may include recording and reporting of marks, statistical analysis of grades and other kinds of data, etc.

TEXT PROCESSOR (TEXT PROCES'R) - Also known as word processor. The computer is used to edit and reformat blocks of text such as stories, reports, or letters. It has the tremendous advantage of enabling extensive rework of a document with only one entry of the material. Therefore, it offers great potential for use by students for whom the physical act of writing is a barrier because of limited dexterity skills or other conditions.

TUTORIAL - This is what has traditionally been known as CAI. The computer is used to implement most of the instructional process. A comprehensive tutorial system may contain provisions for all of the following: student placement, introduction of new material, drill, practice, performance monitoring, remediation, and reporting of progress.

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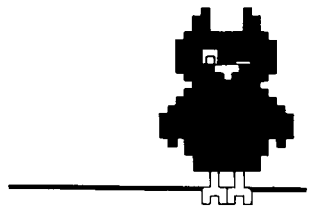

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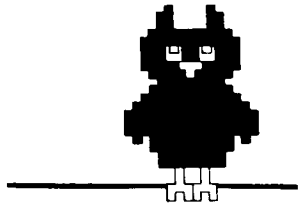

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Johnson Software
Lane Robbins Computer Programs
Midwest Software
Ordinafrancais
Project LOCAL Software
Salsbury Associates
Taylormade Software
Teck Associates
Thorobred Software
Tycom Associates
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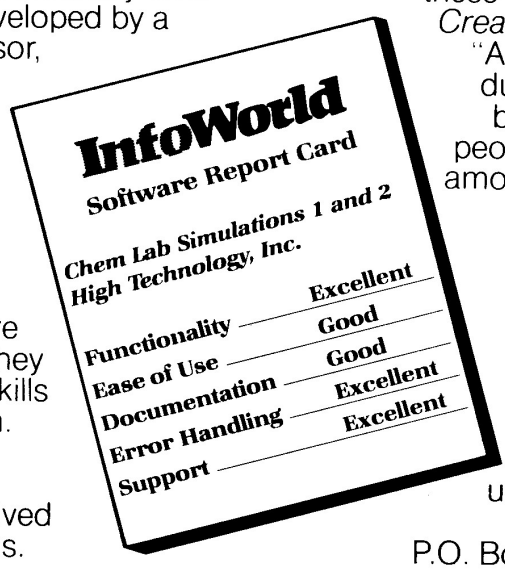

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