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ABSTRACT

This booklet serves as an advisory reference to available software programs that address specific objectives for students in grades 1-8 in all three Basic Skills Assessment Program (BSAP) curriculum areas—language arts, mathematics, and science. A description of the basic skills objectives precedes each curriculum section. Information provided for each software package includes the title, Dewey Decimal classification, application and copyright, grade level, BSAP objective, computer assisted instruction mode, system requirements, producer/vendor and price. A separate section offers information, criteria, and forms for computer software evaluation developed by Project SEED (Software Evaluation Exchange Dissemination). A list of the names and addresses of software vendors/producers is provided, and a form for evaluating the booklet is included. (DB)

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GRADES 1-8 MICROCOMPUTER SOFTWARE LISTINGS

LANGUAGE ARTS, MATHEMATICS, SCIENCE CORRELATED TO BASIC SKILLS ASSESSMENT PROGRAM OBJECTIVES SOUTH CAROLINA DEPARTMENT OF EDUCATION



Clyde H. Green Director, Office of Instructional Technology

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Dr. Charlie G. Williams State Superintendent of Education

Henry J. Cauthen President, South Carolina ETV

May 1990



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Mr. Tom Shirk, Production Specialist

INTRODUCTION

This publication serves as an advisory reference to available software programs that address specific objectives for students in grades 1-8 in all three Basic Skills Assessment Program (BSAP) curriculum areas - language arts, mathematics, and science. School personnel should use it when they select software programs they will preview in their search for high quality materials to meet teachers' and students' curricular needs.

The three microcomputer software curriculum committees selected the software listed for their respective areas of language arts, mathematics, and science. Each committee reviewed the listings in the May 1989 BSAP Correlation book for its subject area and examined the latest software reviews published by creditable review services in the United States. Favorably reviewed software that correlates to one or more BSAP objective has been included in this publication. Committee members also used their first-hand knowledge of software programs to make decisions on retaining and adding titles.

HOW TO USE THIS BOOK

A description of the basic skills objectives precede each curriculum section. The objectives are referenced to TEACHING AND TESTING OUR BASIC SKILLS (T & T). The same abbreviations of the objectives used in the T & T apply to the BSAP objectives column in the software correlation charts.

In order to give the user a quick and convenient reference, the software program titles, the Dewey Decimal classifications, and the copyright dates when available, are organized into alphabetized listings by curriculum areas. Appropriate grade levels are designated, and the objective(s) are correlated in concise, abbreviated terms. An asterisk indicates new or updated software.

The following symbols indicate the type or mode of computer-assisted instruction of each software program:

CMI - classroom managed instruction
SIM - simulation
LT - lab tool
PS - problem solving
GA - educational game
WP - wordprocessing
D/P - drill and practice
TU - tutorial/teacher utility

Brands and models of computers and specific peripherals needed to use the software are easily found in the "System Requirements" column. To complete the reference chart, the last two columns give the vendor's/producer's name and the cost of the software at the time of printing. An alphabetized list of the vendors/producers and their addresses and telephone numbers is included on pages 50-53. (Prices of software represent per title, per volume, or per level.) Users should check current vendor catalogs for exact package content and any price changes.

The language arts section, divided into three parts - reading, writing, and Cognitive Skills Assessment Battery (CSAB) - is the largest. Because several software programs under each heading may be applied to other instructional uses, the user will find this application noted. For example, the "Bank Street Story Book" is listed under reading, but, because it may also be used in teaching writing, it is noted in the first column. The same software title appears under writing with reading noted as an application.

The mathematics section has a short Teacher Utility part in addition to the basic mathematics instructional software listing, but there is no separate Teacher Utilities part in the science section. Neither the mathematics nor the science sections include CSAB. Database curriculum systems listings are found on page 41.

Before buying any software, the program should be reviewed by local school personnel who are responsible for ensuring that the material meets the instructional objectives and quality standards of the school district and/or school. Two evaluation instruments are included in this book to assist educators in their local software evaluation process. The Software Evaluation Checklist and its accompanying explanation are useful in guiding local evaluators' assessments and purchase recommendations. The instruments may be modified or adapted to serve school needs.

The Project SEED Evaluation Instrument and explanation sheet have been developed by a consortium of seven state departments of education: Alabama, Florida, Georgia, Mississippi, New Jersey, North Carolina, and South Carolina. SEED is the acronym for Software Evaluation Exchange Dissemination. South Carolina now has 116 trained SEED evaluators, who contribute their evaluations to the SEED Project. Each software program is evaluated by three evaluators. Their individual evaluations are compiled and synthesized into one SEED evaluation, which is published in the A GUIDE TO EVALUATED EDUCATION SOFTWARE each year. SEED evaluations have been included in the review process for this publication. The software titles that have been reviewed by SEED are indicated by the symbol ¶ following the title.

To provide further assistance in reviewing software, a microcomputer lab containing various brands of hardware and much of the software included in this publication are located in the South Carolina ETV Center, 2712 Millwood Avenue, Columbia, SC 29205. Appointments to visit the lab may be made by calling the Office of Instructional Technology, 803/737-3350. Regional labs are maintained in the Office of Instructional Technology's five field offices. The locations and the consultants' names, addresses, and telephone numbers are provided on page 54.

The software in the labs has been provided free of charge by the vendors for preview only. It cannot be copied nor removed from the lab to which it is assigned. This is the condition upon which the vendors have loaned these materials to the Office of Instructional Technology for the labs.

The last page of this publication is a feedback sheet for users to evaluate the content and format. Your input will be considered for future publications and services. If you have questions concerning the software listing in this publication, contact the Office of Instructional Technology, Room 205, Rutledge Building, Columbia, SC 29201. The telephone number is 803/734-8090.

Appreciation is expressed to all people who help to develop this publication.

Clyde H. Green, Director Office of Instructional Technology

May 1990



READING OBJECTIVES AND SUBSKILLS

- DW: Decoding and Word Meaning The student can use word recognition skills and can determine the meanings of words.
 - DW1: Sight Recognition The student should know the meaning of the word specified in the selection by sight.
 - DW2: Phonetic Decoding The student should be able to find the correct spelling of the nonsense word pronounced by the teacher.
 - DW3: Contextual Word Meaning The student should be able to use the context of the selection to determine the meaning of a specific word.
 - DW4: Structural Word Meaning The student should we able to use structural word analysis to determine the meaning of a specific word.
- DE: Details The student can accurately comprehend the details in a reading selection.
- Mi: Main idea The student can determine the main idea of a reading selection. The three types of main ideas are: restated main idea, paraphrased main idea, and inferred main idea.
 - MI1: Restated Main Idea The student can identify or generate a verbatim statement of the main idea which is explicitly stated in a reading selection.
 - MI2: Paraphrased Main Idea The student can identify or generate a paraphrased statement of the main idea which is explicitly stated in a reading selection.
 - MI3: Inferred Main Idea The student can identify or generate an inferred statement of the main idea when the main idea is not explicitly stated in a reading selection.
- RE: Reference The student can select and use desired information in reference sources.
 - RE1: Selecting a Reference Source The student can select the appropriate reference source for requested information.
 - RE2: Using a Reference Source The student can use a reference source to find requested information.

- IN: Inference The student can make valid inferences about a reading selection.
 - IN1: Making Comparisons The student can make comparisons based on a reading seelction.
 - IN2: Determining Cause and Effect The student can determine the most reasonable cause for an effect or situation given in a reading selection.
 - iN3: Drawing Conclusions The student can draw conclusions based on a reading selection.
 - IN4: Predicting Outcomes The student can predict outcomes based on a reading selection.
- Al.: Analysis The student can critically analyze a reading selection.
 - ALT: Nature of information The student can determine the nature of the information presented in a reading selection.
 - Ai.2: Structural Elements The student can determine the structural elements used in a reading selection.
 - AL3: Rhetorical Devices The student can determine the rhetorical devices used in a reading selection.
 - AL4: Critical Analysis The student can determine relationships between structural elements in a reading selection and can analyze a selection to make interpretations about the author's theme or purpose.

WRITING OBJECTIVES

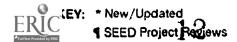
- HN: Handwriting The student can write legibly.
- MC: Mechanics The student can spell, capitalize, and punctuate correctly.
- WU: Word Usage The student can use words appropriately.
- SF: Sentence Formation The student can compose sentences.
- CP: Composition The student can communicate ideas in writing.

TEACHING AND TESTING OUR BASIC SKILLS, Reading and Writing
Educational Assessment Section, Office of Research, South Carolina Department of Education,
September 1981; January 1983.



GRADES 1-8 LANGUAGE ARTS SOFTWARE BSAP CORRELATION -- READING

Title of Software, Dewey Decimal Massification, Application, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
ce Detective (153.4) Writing ¶	4-8	IN	PS	Apple Family	Mindplay	49.00
ce Explorer (372) Writing	3-8	DE	GA	Apple Family, IBM PC/PCjr	Mindplay	49.99
Nice in Wonderland (398) 1985	3-8	DW, DE, IN	PS	Apple Family	HRM Software, Div. Of Queue	49.00
Vphabet Express (411) CSAB	K-3	DW2	D/P	Apple Family, Commodore 64/128, TPS-E0 III	Garrico	44.95
Alphabetical Order (411)	1-4	RE	D/P	Apple Family	Head Start Software	24.95
Uphabetization Sequences (411) 1980	1-8	RE	D/P, CMI	Apple Family	Milliken Publishing	75.00
uthor! Author! (808) Writing 1987 ¶	4-8	Mi, IN	D/P	Apple Family	Mindplay	59.99
Build A Book About You (372.4) CSAB 1984 ¶	1-3	DW3, DE	GA	Apple Family, Commodore 64/128, IBM PC/PCjr, Tandy 1000	Scarborough Systems	39.95
Clue in On Phonics (372.4)	1-4	DW2	D/P, GA	Apple Family, Commodore 64/128, TRS-80 II	Gamco	44.95
Comprehension Connection, Level D, E, F (372.4)	4-8	DW3, MI	D/P, CMI	Apple Family	Milliken Publishing	425.00
Computer Crossroads (372.4)	2.5	DE, MI, IN	GA	Apple Family	Educational Activities	99.95
Create With Garfield (741.5) Writing 1986	2-6	DE, IN, MI	GA, SIM	Apple Family, Commodore 64/128, color monitor	DLM Teaching Resources	29.95
Inglish-Picture Reading and Word Recognition (372.6) Writing	2-5	DW1	TU	Apple Family, IBM PC, color graphics adapter	Decision Development	49.95
Fay's Word Rally (372.4) 1985	1-3	DW1, DW3	D/P, GA	Apple Family, Commodore 64/128	Didatech Software	49.95
igurativa Language (372.6) 1984	6-8	AL	DP	Apple Family, IBM PC, Tandy 1000	Hartley Courseware	39.95
The First 'R' (372.4) 1988 ¶	K-3	DW1, 2, 3; MI, IN, DE	СМІ	Apple Family	Milliken Publishing	various
Freddy's Puzzling Advantures (372.6) Writing	1-5	DE, MC	PS	Apple Family	DLM Teaching Resources	32.95
From ABC to XYZ (411) 1987 ¶	1-6	AE	D/P, GA, CMI	Apple Family	Hartley Courseware	39.95
* Fundamentals of Reading (372.41) 1988 ¶	4-8	DE, MI, IN, AL1	D/P	Apple Family	Educational Activities	144.00
Gertrude's Puzzies (793.7) 1982 ¶	1-4	AL	D/P, GA	Apple Family, IBM PC/PCjr, Tandy 1000	The Learning Company	59.95
Gertrude's Secrets (793.7) 1983	1-3	ĀL	GA	Apple Family, IBM PC/PCjr, Tandy 1000	The Learning Company	59.95



Title of Software, Dewey Decimal Classification, Application, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
Hide N' Sequence (808) Writing 1985 ¶	4-8	DE	TU, GA	Apple Family, Commodore 64	Sunburst	69.00
Hinky Ріпку (793.7) 1983 ¶	4-8	DW3, DW4, IN, AL	GA	Apple Family	Mindscape	49.95
Homonyms (424) Writing 1982	3-8	DW3	D/P. TU	Apple Family, iBM PC/PCjr	Hartley Courseware	39.95 AP 49.95 IBM
Homonyms in Context (423) 1981	4-6	DW3	D/P	Apple Family, TRS-80 Models, color monitor	Random House	59.95
Jack and the Beanstalk (398)	4-6	DW1, IN	GA	Apple Family, color monitor	HRM Software, Div. Of Queue	49.00
Kermit's Electronic Storymaker (472.4) Writing CSAB 1985 ¶	1-2	DW1, DE	GA	Apple Family, Commodore 64/128, color monitor, joystick	Simon & Schuster	34.95 AP 29.95 CO
Kittens, Kids & Frogs (372.6) 1985 ¶	1-3	DW, DE, MI, IN	D/P, CMI	Apple Family	Hartley Courseware	39.95
Knowledge Explorer Series (028.5) 1984	5-8	DE, MI, RE, IN	TU, D/P, 1	ople Family	Grolier Electronic	49.95
Language for Daily Use (372.6)	3-6	DW3, IN, WU	D/P	Apple Family	Harcourt Brace Jovanovich	120.00
Little Riddles (372.4)	1-2	IN, AL	D/P	Apple Family	Harriey Courseware	39.95
* MECC Reading Collection (372.4) 198? ¶ 1. Blends and Digraphs (grades 1-3) 2. Final Consonants (grades 1-2) 3. Initial Consonants (grade 1) 4. Vowels I (grades 1-2) 5. Vowels II (grades 1-3) 6. Those Amazing Reading Machines (grades 3-6)		DW2	D/P	Apple Family	MECC	55.00
* Mickey's Magic Reader (372.41) 1988	K-2	IN2, 4	GA	Apple Family	Sunburst	65.00
Missing Links: Young People's Literature (793.7) Writing 1983	4-8	DW2, DW3, DW4, IN	P\$	Apple Family, Atari, IBM PC/PCjr, Tandy 1000, TRS-80 Models	Sunburst	65.00
Mystery Mazes (793.7) ¶	5-8	IN, AL	GA	Apple Family	Educational Activities	49.95
New Kid on the Block (372.4)	5-7	MI, IN, AL	D/P. *U, CMI	Apple Family	Hartley Courseware	59.95
* New Talking Stickybear Opposites (418) 1989	K-1	DW1, 3	D/P	Apple IIGS	Optimum Resources, Inc.	49.95
Paint With Words (372.6) CSAB 1986	1-2	DW1	D/P	Apple Family, printer, color monitor	MECC	49.00
Pictures, Letters and Sounds (372.4) CSAB	K-1	DW2	D/P	Apple Family	Hartley Courseware	35.95



ERIC KEY: * New/Updated

¶ SEED Project Reviews

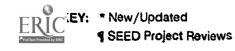
Title of Software, Dewey Decimal Classification, Application, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
Picture Parade (372) CSAB	K-2	DE	D/P	Apple Family	Hartley Courseware	39.95
Pik-Pek-Put (428) Writing 1981	5-8	DW4	D/P, TU, GA	Apple Family, TRS-80 III/4, color monitor	Data Command	29.95
Play With Language (428) 1983	1-2	DW1	D/P, GA	TRS-80 Models, color monitor, joystick	Radio Shack Education Division	99.00
*Please Help Mel'-Vocabulary (372.6) Writing	3-8	DW3	D/P, CMI	Apple Family	Focus Media	69.00
Poet's Pen, The (808.1) Writing	2-7	AL	ŤU	Apple Family	Data Command	39.95
Puzzler, The (372.4) 1985 ¶	3-6	IÑ	PS	Apple Family, Commodore 64, IBM PC/PCjr, Tandy 1000, TRS-80 III/4 Color	Sunburst	65.00
Reader Rabbit (372.4) CSAB 1985	1-2	DW1	GA	Appie Family, Commodore 64/128, IBM PC/PCjr/PCXT, Tandy 1000, color graphic adapter	The Learning Company	79.95
Reader Rabbit and the Fabulous Word Factory (372.6) 1984	1-2	DW1	DP, TU	Apple Family	The Learning Company	39.95
Reading Around Words (428) 1984	4-8	DW3	D/P, CMI	Apple Family	Instructional Communications	150.00
Reading Fun: Beginning Consonant Sounds (372.4)	1	DW2	D/P	Apple Family	Troll Associates	39.95
Reading for Meaning With Mother Goose 2 (372.4) 1985	1-3	DW, DE, MI, IN	D/P	Apple Family	Hartley Courseware	39.95
Reading Helpers (372.4) 1987	1-2	DW2, RE	D/P, GA	Apple Family	Houghton Mifflin	135,00
Reading Klooz (425) 1985	5-8	IN	PS, GA	Apple Family	Midwest Publications	39.95
Reading Starters (372.4) CSAB 1987	K-2	DW1, RE	DP	Apple Family	Houghton Mifflin	135.00
Read 'n' Roll (372.4)	3-6	DW3, DE, MI, IN	GA	Apple Family, 80 column card; IBM PC, color graphics adapter	Davidson & Associates	49.95
* Rebus Writer (418) Writing 1987 ¶	3-8	AL3, DW3	GA	Apple Family	Mindscape, Inc.	49.95
Reference Micro Myst. Textbook Skills (028.7)	4-6	RE, IN	GA	Apple Family	Focus Media	99.00
Rhyming to Read (372.4) 1985 1. Miss Mouse 2. Rhyme Land	1-4	DW, DW1, AL	TU, GA	Apple Family, Commodore 64	Grolier Electronic	189.00
Rhymes and Riddles (398) Writing 1983	1-4	AL	D/P, GA	Apple Family, Atari Computers, IBM PC/PCjr, Tandy 1000	Spinnaker Software	24.95
Riddle Me This (372.6) 1983	4-7	DW3	D/P, TU, GA	Apple Family, TRS-80 Models	Data Command	85.25

Title of Software, Dewey Decimal Classification, Application, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
Scoop Mahoney-Investigative Reader (372.41) 988	4-8	DE, MI, DW3, IN2, 3, AL1	SIM, PS	Apple Family	DLM Teaching Resources	46.00
noaper Troops (793.7) 1982	5-8	IN	D/P	Apple Family, Atari Computers, IBM PC/PCjr, Tandy 1000, Ccmmodore 64/128	Spinnaker Software	44.95
incopy's Reading Machine (372.4) 1985	1-3	DW4	D/P	Apple Family, Commodore 64/128	Random House	39.95 AP 29.95 CO
tickybear Reading (372.4) Writing ¶	1-3	DW3	D/P	Apple Family, Commodore 64/128, IBM PC/PC XT/AT, color graphics adapter	Weekly Reader Software	39.95 AP,IBM 29.95 CO
Success With Reading (372.4) Writing 1985	3-6	DW, DE, IN, MI, RE, AL	D/P	Apple Family, Commodore 64	Scholastic	59.95
ales of Adventure; Tales of Discovery; Tales of Aystery (813.5) 1984	4-8	DE, MI	D/P	Apple Family, IBM PC/PCjr, Tandy 1000, Commodore 64/128	Scholastic	29.95
ank Tactics (372.4) 1981	3-8	DW4	D/P, TU, GA	Apple Family, TRS-80 III/4, color monitor	Data Command	29.95
utorial Comprehension (372.4) 1983	2-6	DE, MI, IN, AL	TU	Apple Family, TRS-80 Models	Random House	79.95
locabulary Series (413) 1985 Level II Level III Level IV	3-4 5-6 7-8	DW4	D/P	IBM PC/PCjr, color monitor	IBM Direct	88.00
ocabulary Skills: Context Clues (372.6) 1983	6-8	DW3	D/P, TU, GA	Apple Family	Media Materials	44.95
Where in the USA is Carman Sandiago? (910)	5-8	RE	GA, PS	Apple Family, Commodore 64, IBM PC, Tandy 1000	Broderbund	39.95 AP, IBM 34.95 CO
Where in the World Is Carman Sandiago? (917.3)	5-8	RE	GA	Apple Family, Commodore 64/128, IBM PC, Tandy 1000	Broderbund	39.95 AP, IBM 34.95 CO
Vho, What, Where, When, Why (372.6) 1983 ¶	1-6	DE	D/P, TU	Apple Family, IBM PC/PCjr, Tandy 1000	Hartley Courseware	35.95 AP 49.95 IBM
Vord Benders - Phases, A-1 (372.6) Writing 1985	5-8	DW4, RE	D/P, TU	Apple Family, TRS-80 III/4	Midwest Publications	39.95
Vord Benders - Similarities, C-1 (372.6) Writing 1985	5-8	DW4, RE	D/P, P\$	Apple Family, TRS-80 III/4	Midwest Publications	39.95
Vord Blaster (421) Writing 1982	3-6	DW3	D/P, GA	Apple Family, TRS-80 Models, IBM PC/PCjr, Tandy 1000	Random House	150.00
Word Herd-Look Alike (428.3) 1983	6-8	DW3, DW4	TU	Apple Family	MECC	45.00

ERIC KEY: * New/Updated

¶ SEED Project Reviews

Title of Software, Dewey Decimal Classification, Application, Copyright	Grade Lavel	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
Word Herd-Sound Alike (428.3) 1983	6-8	DW3, DW4	TU	Apple Family	MECC	45.00
Word Memory Program (428.3) 1983	1	DW1	D/P	Apple Family	instructional Communications	65.00
Word Munchers (372.6) 1985 ¶	1-3	DW1, DW2	D/P	Apple Family	MECC	49.00
Word Quest (372.6) 1985 ¶	3-8	DW1, RE	GA	Apple Family	Sunburst	59.00
Words at Work: Compound It! (372.6) 1986 ¶	3-6	DW4	GA	Apple Family	MECC	55.00
Words at Work: Contraction Action (372.6)	2-4	DW4	GA	Apple Family	MECC	55.00
Words at Work: Prefix Power (372.6)	3-6	DW4	GA	Apple Family	MECC	55.00
Words at Work: Suffix Sense (372.6) ¶	3-5	DW4	GA	Apple Family	MECC	59.00
Word Structure (428) 1981 ¶	5-8	DW4	TU, CMI	Apple Family	Jostens Learning Corp.	160.00
Zap Zeus (292) 1984	7-8	DE, MI	D/P, TU, GA	Apple Family	McCarthy-McCormack, Inc.	39.95



GRADES 1-8 LANGUAGE ARTS SOFTWARE BSAP CORRELATION -- WRITING

Fitte of Software, Dewey Decimal Classification, Application, Copyright	Grade Lovel	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
ce Detective (153.4) Reading ¶	4-8	MC, WU, SF, CP	P\$	Apple Family	Mindplay	49.00
ce Explorer (372) Reading	3-8	MC, WU, SF, CP	GA	Apple Family, IBM PC, PCjr	Vindplay	49.99
uthor! Author! (808) Reading 1987	4-8	MC, WU, SF, CP	D/P	Apple Family	Mindplay	59.99
ank Street Writer (651.7) 1986	2-8	MC, WU, SF, CP	TU, D/P	Apple Family, IBM 128K, Tandy 1000, Commodore 64/128, Atari	Scholastic	69.95 AP 79.95 IBM 49.95 CO, AT
lank Street Writer III (651.7) 1986	2-8	MC, WU, SF, CP	TU, D/P	Apple Family, IBM 128K, Tandy 1000, Commodore 64/128, Atari	Scholastic	69.95 AP 79.95 IBM 49.95 CO, AT
Sank Street Writer Plus (651.7)	2-8	MC, WU, SF, CP	TU, D/P	Apple Family, IBM PC, Tandy 1000	Broderbund	79.95 AP 99.95 IBM
Se a Writer (400) 1986	3	MC, WU, SF, CP	TU, D/P	Apple Family	Sunburst	40.00
Building Better Sentences: Combining Sentence Parts (400)	6-8	SF	D/P	Apple Family	Media Materials	49.95
Building Better Sentences: Creating Compound and Complex Sentences (400)	6-8	SF	D/P	Apple Family	Media Materials	49.95
Capitalization (421) 1982	3-8	MC	D/P, TU	Apple Family, IBM PC/PCjr, Tandy 1000	Hartiey Courseware	49.95
Capitalization Machine, The (372.6)	2-8	MC	Tu	Apple Family	SouthWest EdPsych Services	49.95
Capitalization Plus (425) 1983 ¶	5-8	MC	D/P, TU	Apple Family	Mindscape	44.95
Children's Writing and Publishing Center 652.5) 1988	2-8	MC, WU, SF, CP	WP	Apple Family, mouse, color monitor	Learning Company	79.95
Commas (372.6)	4-8	MC	GA	Apple Family	Gamco	33.95
Create With Garfield (741.5) Reading 1986 ¶	2-6	WU, CP	GA, SIM	Apple Family, Commodore 64/128, color monitor	DLM Teaching Resources	29.95
Crossword Magic (793.7) 1982, 1989 ¶	1-8	MC	D/P	Apple Family, Atari Computers, IBM PC/PCjr, Tandy 1000, MacIntosh, Commodore 64	Mindscape	59.95
Developing Basic Writing Skills, Level I (808)	3-4	MC, WU, SF, CP	TU, D/P	Apple Family	Educational Activities	79.00

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KEY: * New/Updated

¶ SEED Project Reviews

Title of Software, Dewey Decimal Classification, Application, Copyright	Grade Level	BSAP Objective	ÇAI Mode	System Requirements	Producer/Vendor	Price
Developing Basic Writing Skills, Level II (808)	5-6	MC, WU, SF, CP	TU, D/P	Apple Family	Educational Activities	79.00
Developing Writing Skills (372.6)	7-8	MC, WU, SF, CP	СМІ	Apple Family, IBM PC, Apple Macintosh	Intellectual Software	115.00 AP 135.00 IBM, MAC
Dragon Games (425) 1982	3-6	WU	D/P, GA	Apple Family, Atari Computers, TRS-80 Models, PET, IBM PC/PCjr, Tandy 1000	Educational Activities	59.95
nglish-Picture Reading & Word Recognition 372.6) Reading	2-5	MC, SF	TU	Apple Family, IBM PC, graphics adapter	Decision Development	49.95
1. Rosle, the Counting Rabbit 2. Just Around the Block 3. A Brand New View 4. The Bald-Headed Chicken 5. The Sleepy Brown Cow 6. The Lima Bean Dream 7. What Makes a Dinosaur Sore 8. Quasar Kids	K-1	MC, WU, SF, CP	TU, SIM	Apple Family	D C Heath	67.00
irst Draft (372.6)	6-8	MC, WU, SF, CP	ŤU	Apple Family, IBM PC/PCjr, PC XT/AT	Scholastic	69.95
reddy's Puzzling Adventures (372.6) Reading	1-5	MC	PS	Apple Family	DLM Teaching Resources	32.95
Frammar and Writing: A Language Arts Exploration Series (372.6)	6-8	WU, SF, CP	TU	Apple Family	Scholastic	179.25
Grammar Gremlins (400) 1986 ¶	3-6	MC, WU, SF, CP	D/P, GA	Apple Family, IBM PC/PC)r, Tandy 1000	Davidson & Associates	49.95
Grammar Problems for Practice (372.6)	3-8	WU	D/P, CMI	Apple Family	Milliken Publishing	40.00
Grammaze: Grammar Quest (400) 1984	5-8	MC, WU, SF	D/P, GA	Apple Family	Scott, Foresman	39.95
Ground Grabber: Grammar Quest (400) 1984	5-8	MC, WU, SF	D/P, GA	Apple Family	Scott, Foresman	39.95
Hide N' Sequence (808) Reading 1985 ¶	4-8	MC, WU, SF, CP	TU, GA	Apple Family, Commodore 64	Sunburst	69.00
Homonyms (372.6) Reading 1982	3-8	WU	D/P, TU	Apple Family, IBM PC/PCjr	Hartley Courseware	39.95 AP 49.95 IBM
Can Write (400) 1986	2	MC, WU, SF, CP	D/P	Apple Family	Sunburst	59.00
Just Imagine (808) CSAB 1985	1-3	WU, SF, CP	GA	Commodore 64/128	Commodore Educational Activities	34.95



itle of Software, Dewey Decimal Jassification, Application, Copyright	Grade Lovel	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
ermit's Electronic Storymaker (372.4) Reading SAB 1985 ¶	1-2	MC, WU, SF	GA	Apple Family, Commodore 64/128, color monitor, joyatick	Simon & Schuster	34.95 AP 29.95 CO
idwriter (372.6) 1984	2.4	WU, SF, CP	D/P	Apple Family, Atari Computers, IBM PC/PCjr, Tandy 1000, Commodore 64/128	Spinnaker Software	39.95
inguage Arts: Capitalization/Punctuation 172.6) 1983	1-8	MC	TU	Apple Family, Commodore 64/128	Right On Programs	18.00
inguage Arts & Fundamental Punctuation actice (372.6) 1982	1-8	MC	D/P	Apple Family, IBM PC/PCjr, Tandy 1000, TRS-80 Models	Random House	135.00
agic Spells (421)	2-6	MC	D/P, GA	Apple Family, Commodore 64/128, IBM PC, Tandy 1000	The Learning Company	49.95
agic Slate (651.7) 1985 ¶	1-6	MC	D/P	Apple Family	Sunburst	99.95
aster Spell (372.4) 1984	1-8	MC	D/P	Apple Family	MECC	49.00
ECC Editor (808) 1985	7-8	CP	N.F.	Apple Family, 80-column card, printer	MECC	49.00
issing Links: Young People's Literature (793.7) eading 1983	4-8	MC, SF, CP	PS	Apple Family, Atari Computers, IBM PC/PCjr, Tandy 1000, Commodore 64/128, TRS-80 Models	Sunburst	65.00
lystery Sentences (372.6) 1983	4-8	SF	D/P	Apple Family	Scholastic	59.95
ouns/Pronouns (372.6) 1982	3-8	SF	D/P, TU	Apple Family, IBM PC/PCjr, Tandy 1000	Hartley Courseware	39.95 AP 49.95 IBM
ik-Pek-Put (428.3) Reading 1981	5-8	MC, WU	D/P, TU, GA	Apple Family, color monitor	Cata Command	29.95
Please Help Mel*-Spelling (372.6)	3-8	MC	D/P	Apple Family, IBM, Tandy 1000	Focus Media	69.00
lease Help Mel'-Vocabulary (372.6) Reading	3-8	MC	D/P, CMI	Apple Family	Focus Media	69.00
oet's Pen, The (808.1) Reading	2.7	MC, WU, SF, CP	TU	Apple Family	Data Command	39.95
rint Shop, The (741.6) 1984	1-8	MC, WU, SF, CP	D/P	Apple Family, Atari Computers, Commodore 64/128, IBM PC, Tandy 1000	Broderbund	49.95 AP 59.95 Mac, IBM 44.93 AT, CO
Race the Clock (372.6)	1-6	MC	D/P	Apple Family, IBM PC/PCjr, color graphics adapter, joystick or mouse	Mindplay	49.99
Repus Writer (418) Reading 1987	3-8	MC, CP	GA	Apple Family	Mindscape, Inc.	49.95

KEY: * New/Updated

SEED Project Reviews

Title of Software, Dewey Decimal Classification, Application, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
Rhymes and Riddles (793.7) Reading 1983	1-4	MC, WU	D/P, GA	Apple Family, Atari Computers, IBM PC/PCjr, Tandy 1000, Commodore 64/128	Spinnaker Software	24.95
Riddle Magic (793.7) 1987 ¶	4-8	MC, WU, SF, CP	TU	Apple Family	Mindscape	49.95
Scramble (421) 1982	1-8	MC	D/P	Apple Family	Ahead Designs	15.95
Sentence Combing (425) 1983	4-8	SF, CP	D/P, CMI	Apple Family	Milliken Publishing	105.00
Sentence Structure-Skill Building Adventures (425) 1983 ¶	7-8	SF	TU	Apple Family	Society for Visual Education	195.00
Skiwriter (651.7) 1984	5-8	СР	TU	Commodore 64/128, IBM PC/PCjr, printer	Prentice-Hall	66.95 CO 99.95 IBM
Snoopy Writer (651.7) 1985	1-6	MC, WU, SF, CP	D/P	Apple Family, Commodore 64	Random House	39.95
Spell-a-Vision, Vol. 5 (072.4) 1985	1-6	MC	D/P	Apple Family	Cross Educational Software	19.95
Spelling Mastery (372.6) 1988 ¶	1-3	MC	GA	Apple Family	DLM Teaching Resources	46.00
Spell Itl (421.4) 1984 ¶	5-8	MC	D/P	Apple Family, IBM PC/PCjr, Tandy 1000, Commodore 64/128	Davidson & Associates	49.95
Spellicopter (421.4) 1983	1-8	MC	GA	Apple Family, Atari Computers, IBM PC/PCjr, Tandy 1000, Commodore 64/128	Britannica Software	39.95
Spelling Speechware (421) 1986	1-8	MC	D/P	Apple Family, color monitor, speech synthesizer	Houghton-Mifflin	66.00
Stickybear Parts of Speech (372.6)	2-7	WU	D/P	Apple Family, IBM PC XT/AT	Weekly Reader Software	39.95
Stickybear Reading (372.4) Reading ¶	1-3	WU, SF	D/P	Apple Family, Commodore, IBM PC/PC XT/AT, color graphics adapter	Weekly Reader Software	39.95 AP, IBM 29.95 CO
Stickybear Spellgrabber (411) 1985	1-4	MC	D/P, GA	Apple Family, Commodore 64/128	Weekly Reader Software	39.95 AP 29.95 CO
Story Board (372.6)	3-6	MC, WU, SF, CP	WP	Apple Family, joystick	Data Command	39.95
Story Maker (372.6) 1985 ¶	2-8	СР	GA	Apple Family	Scholastic	95.00
Story Tree (808) 1984	4-8	СР	D/P	Apple Family, IBM PC/PCjr, Tandy 1000, Commodore 64/128	Scholastic	59.95
Success with Reading (372.4) Reading 1985 ¶	3-6	MC, WU, SF, CP	D/P	Apple Family, Commodore 64	Scholastic	59.95

Title of Software, Dewey Decimal Classification, Application, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
Success with Writing (372.6) 1988	7-8	MC, WU, SF, CP	WP	Apple Family, Tandy 1300, IBM	Scholastic	79.95
eddy Bear-Rels of Fun (707)	1-6	MC, WU, SF, CP	TU, D/P	Apple Family, Commodore 64	DLM Teaching Resources	39.95
'hat's My Story (372.6) 1984, 1988 ¶	5-8	СР	D/P, TU	Apple Family	Mindscape	59.95
fizard of Words (793.7) 1983 ¶	4-8	MC	GA, PS	Apple Family, Commodore 64/128, IBM PC/PCjr, Tandy 1000	Advanced Ideas	39.95
Yord Benders-Phases, A-1 (428.3) Reading 1985	5-8	MC	D/P, TU	Apple Family, TRS-80 III/4	Midwest Publications	39.95
Vord Benders-Similarities, C-1 (428.3) Reading 985	5-8	MC	D/P, TU	Apple Family, TRS-80 III/4	Midwest Publications	39.95
Vord Blaster (421) Reading 1982	3-6	MC	D/P, GA	Apple Family, TRS-80 Models, IBM PC/PCjr, Tandy 1000	Random House	150.00
Vord File (421.4) 1983	1-8	MC	D/P	Apple Family	Hopkins School Eval. Center	24.95
Vord Wizards (428.3) 1984	1-6	MC	D/P, GA	Apple Family, Tandy 1000	MECC	49.00
Vrite On? (418) Over 80 titles	1-8	MC, WU, SF, CP	WP	Apple Family	Humanities Software	75.00 per title
Vriter Rabbit (372.6) 1985 ¶	2-4	MC, WU, SF	D/P	Apple Family, Tandy 1000	The Learning Company	54.95
Vriter's Helper (651.7) 1985	7-8	MC, WU, SF, CP	D/P	Apple Family, iBM PC/PCjr, 80- column card	Conduit	120.00
Vrite With Mel (400) 1986	4	MC, WU, SF, CP	D/P	Apple Family	Sunburst	59.00
Nriting a Character Sketch (808) 1984	7-8	CP	D/P	Apple Family	MECC	43.00
Nriting Adventure (372.6) 1985 ¶	4-8	MC, WU, SF, CP	PS, D/P	Apple Family, Commodore 64, printer, color monitor	DLM Teaching Resources	59.95
Writing a Narrative (808) 1984	6-8	CP	D/P	Apple Family, printer	MECC	43.00
Writing An Opinion Paper (808) 1985	7-8	MC, WU, SF, CP	D/P	Apple Family, 80-column card	MECC	49.00

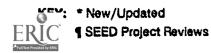
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COGNITIVE SKILLS ASSESSMENT BATTERY (CSAB) SECTION

Title of Software, Dewey Decimal Classification, Application, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
Nphabet Beasts and Company (421)	PreK-1	Readiness	GA, D/P	Apple Family	Reader's Digest Services	34.95
Nphabet Express (411) Reading	К-3	Readiness	D/P	Apple Family, Commodore, TRS-80	Gamco	44.95
Setter View a Zoo (813)	PreK-2	Readiness	GA	TRS-80 III/4	Sunburst	65.00
Build a Book About You (372.4) Reading ¶	PreK-1	Readiness	D/P, GA	Apple Family, Commodore 64/128, IBM PC/PCjr, Tandy 1000	Scarborough Systems	39.95
arly Childhood Software: Alphabet Circus (421)	K-2	Readiness	GA	Apple Family, Commodore 64/128, IBM PC/PCjr, Tandy 1000	DLM Teaching Resources	32.95
arly Discoveries: Observation & Classification 501)	PreK-1	Readiness	GA, D/P	Apple Family	Hartley Courseware	35.95
ariy Discoveries: Patterns & Sequences (501)	PreK-1	Readiness	GA, D/P	Apple Family	Hartley Courseware	35.95
ariy Discoveries: Size & Logic (501)	PreK-1	Readiness	GA, D/P	Apple Family	Hartley Courseware	35.95
arly Games for Young Children (793.7)	PreK-1	Readiness	D/P, GA	Apple Family, MacIntosh, IBM PC, Tandy 1000, Commodore 64/128	Springboard Software	34.95
asy Street (793.8)	K-1	Readiness	GA	Apple Family, voice synthesizer or Cricket	Mindplay	49.99
acemaker (400.28)	PreK-6	Readiness	GA	Apple Family, Atari Computers, Commodore 64/128, Tandy 1000	Spinnaker Software	34.95
First Letter Fun (372.4) 1985	K-2	Readiness	D/P, SIM	Apple Family	MECC	49.00
loppy Teaches Match-ups in Mazes (372.4)	PreK-K	Readiness	GA	Apple Family	Floppy Enterprises	32.95
Coppy Teaches Same and Different (372.24)	PreK-6	Readiness	GA, SIM	Apple Family	Floppy Enterprises	29.95
loppy Teaches What is Missing (372.24)	PreK-6	Readiness	GA, SIM	Apple Family	Floppy Enterprises	29.95
un From A-Z (372.4) 1985	Pr&K-K	Readiness	D/P, SIM	Apple Family	MECC	49.00
Fun with Directions (793.8)	K-1	Readiness	GA, D/P, CMI	Apple Family	Mindscape	49.95
(ermit's Electronic Storymaker (372.4) Reading and Writing 1985	1-2	Readiness	D/P	Apple Family, Commodore 64/128, color monitor, joystick	Simon & Schuster	34.95 AP 29.95 CO
etter-Go-Round (411)	PraK-1	Readiness	D/P,GA	Atari Computers, Commodore 64/128	Mindscape	34.95
etter Recognition (411) ¶	K-1	Readiness	TU, D/P	Apple Family	Hartley Courseware	29.95
Letters and Words (411)	К	Readiness	GA, D/P	Apple Family	Mindscape	49.95



Title of Software, Dewey Decimal	Grade	BSAP	00100-1-	O stars Barrier sate	Dendunce Ofmades	Price
Classification, Application, Copyright	Lavel	Objective_	CAI Mode	System Requirements	Producer/Vendor Optimum Resources, Inc.	49.95
New Talking Stickybear Opposites (418) 1989	K-1	Readiness	D/P	Apple IIGS	Opulluin resources, sic.	49.00
Paint With Words (372.6) Reading 1986	1-2	Readiness	GA	Apple Family, printer, color monitor	MECC	49.00
Pictures, Letters and Sounds (372.4) Reading	K-1	Readiness	D/P	Apple Family	Hartley Courseware	35.95
Picture Parade (372)	K-2	Readiness	D/P	Apple Family	Hartley Courseware	39.95
Pre-Reading (411)	PreK-2	Readiness	D/P, GA	Commodore 64, TRS-80 Color	MECC	35.00
Reader Rabbit (372.4) Reading	K-2	Readiness	GA	Apple Family, Commodore 64/128, IBM PC/PCjr, Tandy 1000	The Learning Company	54.95
Reading Starters (372.4) 1987 Reading	K-2	Readiness	D/P	Apple Family	Houghton Mifflin	135.00
S. skybear ABC (793.7) 1984 ¶	PreK-1	Readiness	D/P	Apple Family	Weekly Resider Software	39.95
Stickybear Opposites (153.7) 1985	3-6	Readiness	GA, D/P	Apple Family	Weekly Reader Software	39.95
Stickybear Shapes (516) 1985	3-6	Readiness	D/P, GA	Apple Family	Weekly Reader Software	39.95
Tonk in the Land of Buddy-Bots (793.7) 1984	К	Readiness	GA, PS	Apple Family, IBM PC/PCjr, Tandy 1000	Mindscape	29.95 AP, IBM

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MATHEMATICS OBJECTIVES AND SUBSKILLS

CN: Concepts - The student can apply numerical concepts.

- CN1: Counting The student should be able to count larger numbers of objects and count by ones, twos, fives, tens, etc.
- CN2: Identifying Equivalencies The student should be able to identify equivalent forms of the same number.
- CN3: Establishing Relationships The student is confronted with comparisons which incorporate the symbols <, >, and =.
- CN4: Determining Place Value The student should be able to translate words and numbers into symbols and vice versa.
- CN5: Interpreting Tables and Graphs The student can extract and interpret information from tables and graphs.
- CN6: Recognizing Square Roots The student should be able to recognize the square root of any perfect square of 100 or less.
- CN7: Using Formulas The student can apply familiar and unfamiliar formulas containing one to six variables or constants.

OP: Operations - The student can compute accurately.

- OP1: Addition The student should be able to add using different types of numbers.
- OP2: Subtraction The student should be able to subtract using different types of numbers.
- OP3: Multiplication The student should be able to multiply using different types of numbers.
- OP4: Division The student should be able to divide using different types of numbers.

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ME: Measurement - The student can apply measurement concepts.

- ME1: Identifying Units of Measurement The student should select the most appropriate unit of measure for measuring a given object named or pictured.
- ME2: Estimation The student should be able to estimate measurable quantities such as size, time, and weight.
- ME3: Using Measuring Devices The student should be able to read and interpret information from a measuring device.
- ME4: Conversions and Operations The student should be able to initially convert units of measurements and then regroup with units.
- ME5: Shale Drawings The student is presented with a scale drawing such as a map, floor plan, or blueprint.

GE: Geometry - The student can apply geometric concepts.

- GE1: Identification The student should identify or select the correct figure, term, or label.
- GE2: Comparison The student should be able to compare geometric representations based on size and shape and similarity.
- GE3: Application In the later grades, the student should be able to use formulas in determining the area, perimeter, or volume of geometric figures.

PSO: Problem Solving - The student can solve problems involving the use of mathematics.

TEACHING AND TESTING OUR BASIC SKILLS, Reading and Writing and Mathematics

Educational Assessment Section, Office of Research, South Carolina Department of Education,

September 1981; January 1983.

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GRADES 1-8 MATH SOFTWARE BSAP CORRELATION

Title of Software, Dewey Decimal Classification, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
ddition and Subtraction (511)	1-8	OP .	D/P	Apple Family, TRS-80 iii/4, Commodore 64	Gameo	39.95
Addition Circus (511)	1-2	OP	D/P, GA	Apple Family, TRS-80 iii/4, Commodore 64	Gameo	44.95
Addition Logician (511)	3	OP	D/P, GA, PS	Apple Family	MECC	43.00
Adventures With Fractions (511) 1983	5-8	CN	TU	Apple Family, Commodore 64	MECC	45.00
and the Math-A-Sizer (511)	1-8	OP	D/P, PS	TRS-80 III/4	Aladdin Software	29.95 disk 32.95 cass
Arcademic Skill Builders (510) ¶ 1982 1. Alien Addition 2. Minus Mission 3. Dragon Mix 4. Meteor Multiplication 5. Demolition Division 6. Alligator Mix	1-6	OP	GA	Apple Family, IBM PC/PC)r, Atari Computer, Commodore 64, Tandy 1000, color graphic adapter	DLM Teaching Resources	46.00
Arith-A-Tackie (511)	1-6	OP	GA	Apple Family	Micro Learningware	43.00
Vith-Magic (510) 1982	2-8	OP, PSO	TU, GA	Apple Family, Commodore 64, TRS-80 III/4, IBM PC 256K	Quality Educational Designs	35.00
Arith-Magic II (511)	4-8	GE	PS, GA	Apple Family, TRS-80 III/4, IBM PC 256K	Quality Educational Designs	35.00
Arithmetic Doctor (513)	2-8	OP	D/P	Apple Family, TRS-80 III/4	Educational Activities	129.00
uithmetic Games (51:) 1981	2-6	CN, OP, PSO	D/P, GA	Apple Family, Tandy 1000, TRS-80 III, IBM PC/PCjr, firmware card	Science Research Associates	150.00
Basic Arithmetic (511) 1982	1-6	CN, OP	TU, D/P	Commodore 64, TRS-80 III/4	MECC	35.00
Basic Math Facts (513) 1986	1-6	OP	D/P	Apple Family	Houghton-Mifflin	99.00
Basic Math Practice Courseware (511)	1-6	OP	D/P	Apple Family	Steck-Vaughn	52.50
Boar's Store, The (332.4) 1987	1-4	PSO, OP	D/P	Apple Family	Random/McGraw Hill Educational Resources	39.95
Boar's Tell Time, The (529) 1987	1-3	ME	D/P	Apple Family	Random/McGraw Hill Educational Resources	39.95
Вотом (511)	2-4	OP	D/P	TRS-80 Color	B5 Software	21.95 disk 19.95 cass
Borrowing: Regrouping for Subtraction (510)	1-6	OP2	D/P	Apple Family	American Educational Computer	19.95
KEY: * New/Updated				_		3

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[¶] SEED Project Reviews

itle of Software, Dewey Decimal Isselfication, Application, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
ox Introduces Fractions (513)	1-3	ĈN, OP	D/P	Apple Family	Society for Visual Education	159.00
ox Introduces Numbers (513)	1-3	CN	D/p	Apple Family	Society for Visual Education	159.00
ox Solves Story Problems (510.76)	3-8	PSO	D/P	Apple Family	Society for Visual Education	229.00
uliding Tens (511)	1-3	CN, OP	TU	Apple Family	Hartley Courseware	49.95
umble Games (510) 1982	1-5	CN, PSO	GA, TU, PS	Apple Family, Commodore 64/128	The Learning Company	59.95
umble Plot (513) 1982	3-8	CN, PSO	TU, GA, PS	Apple Family, Commodore 64/128	The Learning Company	59.95
any (511)	2-4	OP	D/P	TRS-80 Color	B5 Software	21.95 disk 19.95 cass
arry: Regrouping for Addition (510)	1-6	OP2	D/P	Apple Family	American Educational Computer	19.95
hallenge Math (513) 1983	2-6	CN, OP, PSO	D/P, GA	Apple Family, Comp. adore 64	Sunburst	65.00
ircle Graphs (510)	5-8	CN5	D/P	Apple Family	CAE Software	39.95
lock (529) 1983	1-6	ME	D/P, TU	Apple Family, IBM PC/PCjr	Hartiey Courseware	39.95 AP 49.95 IBM
lock Works (529) ¶	1-3	ME	D/P	Apple Family	MECC	55.00 59.00 G\$
Color Keys:Strategies in Problem Solving (500)	4-8	PSO	SiM, GA	Apple Family, color monitor	Sunburst	65.00
omputational Skills Program (513) 1988 ¶	1-8	OP	D/P	Apple Family	Houghton-Mifflin	126.00
omputer Drill and Instruction: Mathematics 510) 1981, 1989 ¶	1-8	CN, OP, ME, GE, PSO	D/P, GA	Apple Family, IBM PCjr, TRS-80 III, Tandy 1000, Graphic cards	Science Research Associates	various
Computer Math Games, Vol. 1-7 (510) 1985	1-8	CN, OP	D/P, GA	Apple Family	Addison-Wesley	324.00
Conquering Math Series 1988, 1989 . Fraction Concepts, Inc. (510) . Conquering Whole Numbers (510) . Fraction Practice Unlimited (510) . Conquering Decimals-Add/Subtract (513.55) . Conq. Decimals-Multiply/Division (513.55) . Conq. Fractions-Add/Subtract (513.26) . Conq. Fractions-Multiply/Div. (513.26) . Conq. Ratios/Proportions (513.24) . Decimal Concepts (513.55)	3-8 3-8 4-8 4-8 5-8 4-8 5-8 5-8 3-6	CN2, OP1 OP1, 2, 3, 4 CN 2, 3 OP OP OP OP OP CN CN	D/P D/P D/P D/P D/P D/P D/P	Apple Family	MECC	59.00
Coordinate Math (510)	4-8	GE1, 3	GA	Apple Family	MECC	59.00
Sount, Add 1, Add 2, Add 3 (510) 1982	1-3	CN, OP	D/P	Apple Family	Edu-Soft	19.95
	1-2	CN	D/P	Commodore 64	MECC	35.00
Counting (511)	1-2	C14	U/F	CONTINUES OF		

litie C Software, Dewey Decimal Class, cation, Application, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
Counting & Ordering (510)	1-3	CN1	GA	Apple Family	Micro Power & Light	29.95
Counting Parade (510)	PreK-1	CN ·	D/P	Apple Family, Commodore 64, color monitor, joystick or mouse	Spinnaker Software	9.95 AP 6.95 CO
Cubbyholes (510) 1982	1-4	OP, PSO	GA	Atari 400/800, joystick	Atari Program Exchange	17.95
Cube Builder (510) ¶	6-8	GE3	SIM	Apple Family	HRM Software, Div. of Queue	49.95
Cubes, Prism, and Cylinders (516)	5-8	GE3	TU	Apple Family	Educational Activities	59.95
Pecimal Discovery (513) ¶	4-8	OP, CN	D/P	Apple Family	DLM Teaching Resources	46.00
Decimals (513) 1983	6-8	CN	TU, GA	Apple Family, Commodore 64, IBM PC, TRS-80 III/4	Quality Educational Designs	120.00
Decimal Skills (513)	6-8	CN, OP	D/P	Apple Family	Media Materials	49.95
Decimals Made Sin (no. 1.1)	5-8	OÞ	D/P, SIM	Apple Family, IBM PC/PCjr, color monitor	Thoroughbred Educational Software	49.95
Decimal Squares Computer Programs (510)	3-8	CN2, 3, 4, OP1, 2, 3, 4	D/P, TU	Apple Family	Scott Resources	59.98
* Digitosaurus (513) 1988	2-4	OP	D/P	iBM PC/PCjr, Tandy 1000, color graphic card	Sunburst	65.00
Early Childhood Software (511) 1. Comparison Kitchen 2. Fish Scales 3. Number Farm 4. Shapes & Colors Rodeo 5. Animal Photo Fun 6. Alphabet Circus	1-2	CN, ME	D/P	Apple Family, Commodore 64, IBM PC, Tandy 1000, color monitor, color graphics adapter	DLM Teaching Resources	32.95
Early Discoveries: Conservation and Counting (510)¶	PreK-1	CN	D/P, GA	Apple Family, color monitor	Hartley Courseware	35.95
Earl. Permes for Young Children (372.21) 1983	1-3	CN, OP	D/P, GA	Apple Family, Commodore Computers, IBM PC, Tandy 1000	Springboard Software	34.95
Early Learning Series: Math (511) 1. Learning to Add & Subtract 2. How to Weigh an Elephant 3. Let's Go Fishing	PreK-3	CN, OP, ME	PS, GA	Apple Family, Commodore 64/128	Learning Technologies	14.95
Educalc (001.64) ¶	5-8	varies	TU	Apple Family, Commodore 64/128, IBM PC/PCjr/XT	Grolier Electronic	74.95
* Elastic Lines: The Electric Geoboard (516)	2-8	GE	SIM	Apple Family	Sunburst	65.00

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Title of Software, Dewey Decimal Classification, Copyright	Grado Lovel	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price _
Elements of Geometry: Angles, Circles & Shapes (516)	4-8	GE	D/P	Apple Family	Society for Visual Education	119.00
Essential Math Program (513) 1982	6-8	CN, OP, ME, GE, PSO	D/P	TRS-80 I/III/4	Radio Shack Education Division	199.00
Estimating and Common Sense (510)	4-8	CN, ME	D/P	Apple Family, IBM PC/PCjr	Data Command	99.95
Estimation Skill Builder (513) 1983	5-8	CN	D/P	Apple Family	Edu-Soft	34.95
Expanded Notation (510) 1982	3-5	CN	D/P, TU	Apple Family, IBM PC/PCjr	Hartley Courseware	39.95 AP 49.95 IBM
Explorer Metros: A Metric Adventure (389) 1982	4-8	ME	SIM, GA	Apple Family	Sunburst	65.00
* Exploring Measurement, Time & Money-Lev.I (530.81) 1989	K-3	ME	SIM	IBM, mouse, sound adapter	IBM Educational System	156.00
Exploring Tables and Graphs, Level I: Grades 2- 5; Level II: Grades 5-8 (511) 1984 ¶	2-8	CN	SIM, TU	Apple Family	Weekly Reader Software	34.95
Factoring Whole Numbers (512) 1983, 1988	5-8	CN, GE	TU, D/P	Apple Family, Commodore 64, TRS-80, III/4, IBM PC	Quality Educational Designs	90.00
Factory, The (160) ¶ 1983	4-8	PSO	PS	Apple Family, Commodore 64, TEG-80 Color, IBM PC/PCjr, Tandy 1000, color monitor	Sunburst	65.00
Fact Track (511) 1981	1-8	OP	D/P	Apple Family, IBM PC/PCjr	Science Research Associates	90.00
Fast-Tract Fractions (513)	4-8	CN, OP	GA, D/P	Apple Family	DLM Teaching Resources	46.00
Fay, That Math Woman (511) 1985	1-2	OP	D/P, GA	Apple Family, Commodore 64, IBM PC	Didatech Software	39.95
Fetchin' Folks (372.7)	2-4	OP1, 3, 4	GA	Apple Family	Data Command	39.95
First Shapes (513)	PreK-2	GE	GA	Apple Family, Macintosh, mouse	First Byte	49.95
* Five in a Row (513)	2-8	PSO, OP	GA	Apple Family	Midwest Publications	55.00
Fraction Bars Computer Games (511)	3-8	CN, OP	GA, D/P	Apple Family	Scott Resources, Inc.	34.99
Fraction Bars Computer Programs (511)	3-8	CN, OP, PSO	GA, D/P	Apple Family	Scott Resources, Inc.	49.99
Fraction Fever (513)	3-6	CN	GA	Apple Family, Commodore 64, IBM PC, joystick	Spinnaker Software	9.99
Fraction Fuel-Up (511)	4-8	CN, OP	D/P	Apple Family, Commodore 64/128	DLM Teaching Resources	32.95
Fraction Munchers (510) 1987 ¶	3-8	CN2, OP1, 2, 3, 4	GÃ	Apple Family	MECC	55.00

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Title of Software, Dewey Decimal Classification, Application, Copyright	Grade Lovel	BSAP Objective	_CAI Mode	System Requirements	Producer/Vendor	Price
ractions (513) 1982	4-8	CN, OP	D/P, TU, GA	Commodore 64, TRS-80 Models Apple Family, IBM PC	Quality Educational Designs	175.00
ractions (513) 1987 ¶	4-8	CN, OP	D/P, GA	Apple Family, IBM PC, TRS-80 Models	Silver, Burdett & Ginn	59.95
ractions 5 (511) 1985	5-8	OP, PSO	D/P	Apple Family	Scott, Foresman	39.95
ractions: Addition and Subtraction (511)	3-8	OP	D/P, GA, CMI, PS	Apple Family, Commodore 64/128, TRS-80 III/4	Gamco	44.95
ractions, Decimals and Percent (511) 1983	6-8	CN, CP, PSO	D/P, TU	Apple Family	Society for Visual Education	229.00
actions: Multiplication and Division (511)	5-8	OP	D/P	Apple Family, Commodore 64/128, TRS-80 III/4	Gamco	44.95
ractions Practice PLATO (511) 1983	4-8	CN	D/P, GA	Apple Family, IBM PC, Tandy 1000	Control Data	39.95
un Houe Maze (794) 1984	4-8	PSO	GA, PS	Apple Family	Sunburst	65.00
alaxy Math Facts Game (510) 1981	1-8	OP	D/P, GA	Apple Family, TRS-80 Models	Random House	32.95 AP 16.45 TRS
eometric Concepts (513)	6-8	GE	TU	Apple Family, printer	Jostens Learning Corp.	180.00
eometric Presupposer (513) ¶	6-8	GE	D/P	Apple Family	Sunburst	99.00
Recometry Alive! (516) 1984 Fundamentals of Geometry Areas of Triangles/Quadrilaterals Circles	6-8	GE	D/P, TU	Apple Family, IBM PC	Educational Activities	159.00
Reometry/Part I (513)	K-5	GE	D/P	Apple Family	K-12 MicroMedia Publishing	29.95
Geometry: Planely Simple (516)	6-8	GE	D/P, TU	Apple Family, Commodore 64, IBM PC/PC r	Word Associates	39.95
eometry With Logo (513)	5-8	GE	TU	Apple Family	Metier Software	49.95
entrude's Puzzles (510) 1983 ¶	1-6	PSO	GA	A-F • "amily, IBM PC/PCjr, Tann, 1000	The Learning Company	59.95
ertrude's Secrets (510) 1983	1-4	PSO	GA	Apple Family, IBM PC/PCjr, Tandy 1000	The Learning Company	59.95
Set to the Point (511)	5-8	CN, OP	GA, D/P	Apple Family, IBM PC/PCjr, Tandy 1000, TRS-80 I/III/4	Sunburst	65.00
etting Ready to Read and Add (411) 1984	1	CN	GA	Apple Family, Commodore 64/128, IBM PC/PCjr, Tandy 1000	Sunburst	65.00
off Classic/Battling Bugs (513)	4-8	OP, ME, GE	D/P, GA	Apple Family, IBM PC/PCjr, color monitor	Milliken Publishing	34.95
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litie of Software, Dewey Decimal Classification, Application, Copyright	Grade Lovel	BSAP Objective	ÇA! Mode	System Requirements	Producer/Vendor	Price
off Classic/Compubar (513) 1982	4-8	CN, OP, ME, PSO	GA, PS	Apple Family, Atari Computers, IBM PC/PCjr	Milliken Publishing	39.95 disk 34.95 cass
Browgin's Fractions (511) 1983	5-8	CN	TU, GA	Apple Family	MECC	45.00
Guess My Rule (510)	6-8	PSO	PS	Apple Family	HRM Software, Div. Of Queue	69.00
Buinness World Records Problem Areas in Math 510) 1982	3-7	OP, PSO	TU	Apple Family	Society for Visual Education	225.00
ley, Taxil (511) 1983	2-8	OP	D/P, GA	Apple Family	Media Materials	39.95
dow Many? (510)	PreK-3	CN, OP	GA	Apple Macintosh, mouse	Intellectual Software	34.95
How the West Was One + Three x Four (510)	4-8	PS	GA	Apple Family	Sunburst	65.00
niegers (512) 1985 ¶	7-8	OP	D/P	Apple Family, Commodore 64	JMH Software	49.95
ntegers and Equations (512) 1987¶	6-8	OP1, 2, 3, 4	D/P	Apple Family	Silver, Burdett & Ginn	59.95
ntegers and Estimation Drill (510) 1982	5-8	OP	D/P	TRS-80 Models, Apple Family, Atari	Edu-Soft	24.95
nterpreting Graphs (511) 1986 ¶	6-8	CN	GA, D/P	Apple Family, IBM PC/PCjr, Tandy 1000	Sunburst	65.00
In the Neighborhood (510) 1988	2-8	OP,CN7	GA	Apple Family	Midwest Publications	55.00
ntroduction to Counting (513) 1982	1-3	CN	D/P	Apple Family, IBM PC/PCjr	Britannica Software	39.95
r's About Time (529) 1982	1-2	MĒ	D/P, GA	Apple Family, joystick	McCarthy-McCormack	39.95
lourneys Into Math (510)	K-6	OP	D/P, TU	Apple Family, Ufonic voice system	Jostens Learning Corp.	149.00
(-8 Math Program (513) 1980	K-6	CN, OP, ME, GE, PSO	D/P, CMI	TRS-80 Models	Radio Shack Education Division	199.00
Kinder Koncepts (372) 1980	1	CN, ME	D/P	Apple Family, Commodore 64/128	Midwest Software	55.00
Gindermath (510) 1986	1-2	CN	D/P	Apple Family, color monitor, Echo and speech synthesizer, joystick	Houghton-Mifflin	375.00
Gindermath II (510) 1986¶ ,	1	OP, CN	D/P	Apple Family, Echo and speech synthesizer, joystick	Houghton-Mifflin	276.00
King's Quest (794) 1984	4-8	PSO	PS	Apple Family, IBM PC, Tandy 1000, color graphic card	Sierra On-Line	49.95
Ging's Rule (510)	4	PSO	PS	Apple Family, Commodore 64/128, IBM PC/PCjr, Tandy 1000, TRS 80 III/4, TRS-80 Color	Sunburst	65.95
Learning About Numbers (513) 1983	1-5	CN, OP	D/P, CMI	Apple Family	C & C Software	50.00
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itle of Software, Dewey Decimal lassification, Application, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
saming Mathematics (510)	5-6	CN, OP	D/P, GA	Apple Family	Intellectual Software	24.95
n's Lesm About Money (332.4) ¶	1-4	ME1, 3	D/P, SIM	Apple Family	Troll Associates	39.95
ogic Builders (511)	2-8	PS	GA	Apple Family	Scholastic	39.95
ong Division (511) 1983	3-6	OP	TU, D/P	Apple Family, Commodore, TRS-80 Models	Educational Activities	34.95
lastering Mathematics: Decimals (513) 1985 ¶	4-8	OP	D/P, TU	Apple Family, TRS-80 4	Continental Press	175.00
fastering Math Series 1984		OP	D/P	Apple Family	MECC	59.00
. Circus Math (510)	2-6		•			
Early Addition (511)	1-2					
. Multiplication Puzzles (511)	3-6					
. Quotient Quest (510)	4-6					
Subtraction Puzzles (510)	2-6					
fastering Units of Measurement (530.8)	6-8	ME	D/P	Apple Family, IBM PC/PCir	Thoroughbred Educational Software	49.95
, ,			•			
fath Amazing (510)	1-3	OP1, 2	D/P	Apple Family	J. L. Davis	29.95
fath and Me (510) 1987 ¶	1	CN2, 3, OP1, GE1	TU	Apple Family, 80 column card, IBM PC, Tandy 1000, color graphics adapter	Davidson & Associates	39.95
fath Assistant I (510) ¶	1-4	OP1, 2	TU	Apple Family, printer	Scholastic	79.95
fath Assistant II (510) 1985 ¶	2-6	OP3, 4	TU	Apple Family, printer	Scholastic	79.95
fath Blaster (513) 1983, 1989	1-6	CN, OP	D/P	Apple Family, Macintosh, IBM PC/PCjr, Tandy 1000, mouse, color graphic adapter	Davidson and Associates	49.95
fath Blaster Plus (510)	1-6	OP1, 2, 3, 4	D/P	Apple Family, 80 column card, IBM PC, color graphics adapter	Davidson & Associates	49.95
Math Connection (513) 1983	3-8	OP	D/P, GA	TRS-80 Models	Sunburst	65.00
flathematical Concepts (511) 1982	4-8	CN, OP	C/P	Apple Family, game paddle	Media Materials	44.95
Mathematics Action Games (513) 1985		OP	D/P, GA,	Apple Family, Commodore 64/128	Scott, Foresman	29.95
. Frog Jump	1-3		SIM			
Picture Parts	1-3					
Space Journey	6-8					
Mathematics Activities Courseware, Level 3 510) 1984 ¶	3	OP	D/P	Apple Family, IBM PC/PCjr, Tandy 1000	Houghton-Mifflin	165.00
Mathematics Activities Courseware, Level 4 511) 1983 ¶	4	CN, OP	PS, GA	Apple Family, IBM PC/PCjr, Tandy 1000, color monitor, color graphics card	Houghton-Mifflin	165.00

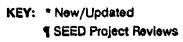
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l' de of Software, Dewey Decimal Classification, Copyright	Grade Lavel	BSAP Objective	ÇAL Mode	System: Requirements	Producer/Vendor	Price
Mathematics Activities Courseware, Level 5 511) 1983 ¶	5	OP, PSO	PS, GA	Apple Family, IBM PC/PCjr, Tandy 1000, color monitor, color graphics card	Houghton-Mifflin	165.00
Mathematics Activities Courseware, Level 6 [511] 1983	6	CN, OP, ME, GE, PSO	PS, GA	Apple Family, IBM PC/PCjr, Tandy 1000	Houghton-Mifflin	165.00
Mathematics Activities Courseware, Level 7 511) 1983	7	PSO	PS, GA, D/P	Apple Family, IBM PC/PCjr, Tandy 1000	Houghton-Mifflin	165.00
Wathematics Courseware Series 1985, 1987 1. Addition/Subtraction 1 & 2 (513) 2. Division I (510) 3. Fractions I (513) 4. Multiplication I (511)	1-2 3-5 3-6 2-5	CN, OP	D/P, TU	Apple Family	Scott, Foresman	39.95
Mathematics-Grade 1 (510)	1	OP, ME	D/P	Apple Family	Intellectual Software	79.95
Mathematics Problem Solving Courseware 510.76)	5-8	PSO	GÄ	Apple Family	McGraw-Hill	79.95
Mathematic-Tac-Toe (511) 1983	1-6	OP	D/P, GA	Atari Computers	Atari Program Exchange	15.95
Mathflash (513)	1-8	OP	D/P	Apple Macintosh, mouse	Palantir Software	49.95
Math for Everyday Living (511) ¶	4-8	OP, PSO	CMI, D/P, TU	Apple Family, Commodore 64/128, IBM PC, Tandy 1000, TRS-80 4	Educational Activities	109.00
Math in a Nutshell (513)	4-8	OP	D/P	Apple Family, Commodore 64/128, IBM PC/PCjr	Learning Technologies	14.95
Math Leap Frog (511)	1-6	OP	GA, CMI	Apple Family, Commodore 64/128, TRS-80 III/4	Gamco	44.95
Math Magic (513)	1-5	CN, OP	D/P, GA	Apple Family, IBM PC/PCjr	Mindplay	49.99
Math Man (510) 1984	3-8	OP	D/P	Apple Family, IBM PC/PCjr, Tandy 1000	Scholastic	39.95
Math Masters: Add and Subtract (510 1988	1-6	OP1, 2	GA	Apple Family	DLM Teaching Resources	46.00
Math Masters: Multiply & Divide (510)1988 ¶	3-8	OP3, 4	GA	Apple Family	DLM Teaching Resources	46.00
Math Mastery Series (511)	3-8	OP	GA, D/P	Apple Family, TRS-80 Model III/4	Gamco	44.95
Math Maze (511) 1984 ¶	1-8	OP,PSO	D/P,GA	Apple Family, iBM PC/PCjr, Tandy 1000, Atari, Commodore 64, Color graphics adapter	Britannica Software	39.95 AP,IBM 29.95 CO
* Math Mind Benders (510)	5-8	PSO	GA	Apple Family	Midwest Publications	45.00
Math 1-2-3 Four Pack: Counting (511) 1984	1-3	CN, OP	D/P	Commodore 64/128	Micro-Ed	34.95

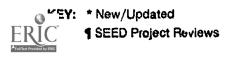


Title of Software, Dewey Decimal Classification, Application, Copyright	Grad e Level	BSAP Objective	CAI Mode	System Requirements	Producer/Veridor	Price
Nath Path (510) 1986 ¶	3-8	CN3	D/P	Apple Family	Milliken Publishing	49.95
fath Practice Series (510) 1985	1-8	OP	D/P	IBM PC/PCJr	IBM Direct	76.00
fath Rabbit (511) 1985	K-2	CN, OP	GA	Apple Family, IBM PC 256K, Tandy 1000	The Learning Company	54.95
fath Sequences (510) 1983	1-8	CN, OP	D/P	Apple Family	Milliken Publishing	495.00
fath Shop (510) 1986 ¶	5-8	OP, ME	D/P, SIM	Apple Family, IBM PC/PCjr	Scholastic	87.45
Math Shop, Jr. (510) 1989	2-4	OP, ME	D/P, GA	Apple Family	Scholastic	69.95
fath Skill Builders (510)	3-8	OP	D/P	Apple Family, TRS-80 III	S & S Software	250.00
fath Skills: Pirate and Rounding (510)	4-8	PSO	D/P	Apple Family, Commodore 64, IBM PC/PCjr, TRS-80 I/III, color monitor, color graphic adapter	Diversified Educational Ent.	40.00
flath Story Solvers (510)	4-8	PSO	PS	Apple Family	Data Command	299.95
fath Through Mental Arithmetic (510)	5-8	OP	D/P	Apple Family, Atari, Commodore 64, TRS-80 III/4	Orange Cherry Software	78.00
fath Word Games (510) 1983	3-6	FSO	D/P	Apple Family, TRS-80 III/4	McGraw-Hill	38.25
fath Word Problems (510)	4-6	PSO	D/P	Apple Family	Weekly Reader Software	39.95
Math Worlds: Exploring Mathematics Through Computers (513)	6-8	PSO	PS, TU, SIM	Apple Family, Commodore 64/128, IBM PC/PCjr, Tandy 1000, color graphics adapter	D C Heath	255.00
McGraw-Hill Math:Problem Solving Courseware, Lev. 6 (510) 1987	6-8	PSO	GA	Apple Family, color monitor	McGraw-Hill	69.95
leaning of Fractions (512)	2-6	CN	TU	Apple Family	CAE Software	34.95
MECC Graph (311) 1985	6-8	CN	TU	Apple Family	MECC	55.00
AECC Graphing Primer (311) 1985	6-8	CN	D/P	Apple Family	MECC	45.00
deg-A-Math Set (513) 1985 ¶	1-8	OP	D/P	Apple Family, color monitor	Micro Power & Light	99.80
Aetric (389) 1986 ◀	6-8	ME	D/P	Apple Family, Commodore	JMH Software	49.95
fetrics I-V (389)	6-8	MĒ	TU	IBM PC/PCjr/XT/AT, color monitor, color graphics adapter	Classroom Consortia Media	49.00
Metric System Tutor (389) 1983	6-8	ME	TU, D/P	Apple Family	Cygnus Software	66.00
Microcourse Mathematics: Solving Story Problems - Whole Numbers, Levels 3-6 (511)	3-6	PSO	D/P, TU, CMI	Apple Family, Rainbow DEC, IBM PC/PCjr, Tandy 1000	Houghton-Mifflin	348.00





Title of Schware, Dewey Decimal Classification, Application, Copyright	Grade Lovel	BSAP Objective	CAi Mode	System Requirements	Producer/Vendor	Price
Mind Puzzles (793.7) 1985	6-8	PSO	TU	Apple Family	MECC	55.00
Mixed Numbers (513) 1982	6-8	OP	TU, D/P, CMi	Apple Family	Media Materials	49.95
Moneyl Moneyl (332.4) 1983	1-5	ME	D/P, TU	Apple Family	Hartley Courseware	39.95
Money Works (332.4) ¶	14	ME1, 3	D/P, GA	Apple Family	MECC	59.00
Moptown Hotel (793.7) 1981	3-8	PSO	PS	Apple Family, Commodore 64/128, IBM PC/PCjr, color graphics card	The Learning Company	59.95
Moptown Parade (424) 1983	1-5	CN, PSO	TU, GA	Apple Family, Commodore 64/128, IBM PC/PCjr, color graphics card	The Learning Company	59.95
* More Teasers from Tobbs (510) 1988	5-8	PSO, OP	D/P	Apple Family	Sunburst	65.00
Morning Star Math Facts (513)	1-6	OP	D/P	Apple Family, Commodore 64/128	Morning Star Software	85.00
More Powers to You (510)	7-8	CN2, 6	TU	Apple Family, Commodore 64, IBM PC/PCjr, color graphics adapter	Word Associates, Inc.	39.95 44.95, AP, IBM 3.5
New Arithme: Classroom (511)	К-8	OP, ME, GE	TU, D/P	Apple Family	D C Heath	99.95
Number Capers (510)	5-8	OP1, 2, 3, 4	D/P	Apple Family	Intellectual Software	59.95
Number Facts (511)	1-6	OP	D/P, GA	Apple Family, Commodore 64/128, TRS-80 Model III/4	Gamoo	44.95
Number Munchers (511) ¶	3-8	CN	TU, D/F	Apple Family	MECC	55.00
Number Sea Hunt (511)	3-8	CN, OP	D/P	Apple Family, Commodore 64/128, TRS-80 Model III/4	Gamco	44.95
Number Words - Level 1 (510) 1983	2-4	CN	D/P	Apple Family, IBM PC/PCjr	Hartley Courseware	39.95 AP 49.95 IBM
Number Words - Level 2 (510) 1982	2-5	CN	D/P	Apple Family, IBM FC/SC):	Hartley Courseware	39.95 AP 49.95 IBM
Numbers (513) 1984	1	CN	TU, D/P, GA	Commodore 64/128	JMH Software	10.00 tape
* Pathfinder (511.5) 1988 ¶	7-8	PSO, CN	PS	Apple Family, IBM PC/PCjr	Sunburst	65.00
Percent (513) ¶	6-8	CN, OP	D/P	Apple Family, Commodore 64/128, TRS-80 III/4	Gamoo	44.95
Percents (511)	6-8	CN	D/P	Apple Family	Media Materials	49.95
Percent Word Problems (510)	6-8	OP3, 4, PSO	D/P, CMI	Apple Family, Commodore 64, TRS-80 II	Gameo	44.95



Title of Software, Dewey Decimal Classification, Application, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
Perimeter, Area, Volume (513) ¶	5-8	GE	D/P	Apple Family, Commodore 64/128, TRS-80 III/4, IBM PC/PCjr, color graphics card	Gamco	44.95
Pick the Numbers (513)	4-8	CN	D/P	Apple Family, Commodore 64	D C Heath	51.00
Piece of Cake (510)	1-5	OP1, 2, 3, 4,	D/P, GA	Apple Family, Commodore 64, IBM PC/PCjr	Springboard Software	34.95
Pinball Math (511)	1-6	OP	D/P, TU, GA	Commodore 64/128, Apple Family, IBM PC/PCjr	Electronic Courseware Systems	39.95
* Plane View (516.5) 1988 ¶	4-8	GE	PS	Apple Family, Commodore	Sunburst	65.00
Plato's Cave (160) 1984	5-8	PSO	SIM, PS, GA	Apple Family, Commodore 64/128, IBM PC/PCjr, Tandy 1000	Krell Software	49.95
Playing to Learn: Math/Logic Games (510)	6-8	CN, OP, PSO	GA	Apple Family, Commodore 64/128	HRM Software, Div. Of Queue	69.00
Power Drill (511) ¶	4-8	OP	D/P	Apple Family, Commodore 64/128, IBM PC/PCjr, Tandy 1000, TRS-80 Model III	Sunburst	65.00
Prescriptive Math Drill (513) 1983	1-4	OP	D/P, CMI	Apple Family, IBM PC/PCjr	Hartiey Courseware	49.95
* Primary WordMath (510) 1986	2-4	PSO	D/P	Apple Family	Milliken Publishing	95.00
Prime Numbers (510)	7-8	CN, PSO	PS	Apple Family, IBM PC/PCjr, Tandy 1000	MECC	35.00
Problem Solving Strategies (510) 1983	5-8	PSO	TU, CMI	Apple Family	MECC	55.00
Proportions and Percents (510)	7-8	CN	TU, GA	Apple Family, IBM PC	Quality Educational Designs	199.00
PSST: Problem Solving Strategy Training (510)	4-8	PSO	TU, PS	Apple Family	Winners Circle Education	32.95
Puzzle Tanks (793.7) 1984 ¶	3-8	PSO	PS	Apple Family, TRS-80 Models, Commodore 64, IBM PC/PCjr, Tandy 1000	Sunburst	65.00
Puzzle Works (510) 1. Animal Addition 2. Circus Subtraction 3. Magic Multiplication 4. Dinosaur Division	1-4	OP	D/P	Apple Family	Continental Press	34.95
Ratios & Proportions (513)	6-8	CN, OP	D/P	Apple Family	Media Materials	49.95
Ratios and Proportions (513) 1985 ¶	7-8	CN	TU	Apple Family, Commodore 64	JMH Software	49.95
* Regrouping (511.3) 1987 (Math related thinking skills)	4-7	N/A	PS	Apple Family	Sunburst	65.00

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Title of Software, Dewey Decimal Classification, Application, Copyright	Grade <u>Lovel</u>	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
ight Tum (510) ¶	4-8	PSO	PS	Apple Family, Commodore 64/128, IBM PC, color menitor	Sunburst	65.00
obomath (511) 1986¶	2-8	OP	GA, D/P	Apple Family, IBM PC/PCjr, Commodore 64, Tandy 1000, color graphics adapter	Mindplay	49.99
Roller Dog (152.142) (Math related thinking kills)	5-8	N/A	PS	Apple Family	Midwest Publications	55.00
Rounding (510) ¶	4-8	CN	D/P, GA	Apple Family, Commodore 64/128, TRS-80 Model III, IBM PC/PCjr, color graphics adapter	Gamco	44.95
Safari Search (510) 1985	3-8	PSO	PŚ	Apple Family, Commodore 64, IBM PC/PCjr	Sunburst	65.00
Sailing Through Story Problems (510) 1987	4-8	PSO, OP	D/P	Apple Family	DLM Teaching Resources	46.00
Salina Math Games (511) ¶ 1984	3-8	CN, OP	D/P	Apple Family, TRS-80 III/4	Educational Activities	59.95
Scholastic Math Tutor (510) 1988 1. Math Tutor Addition 2. Math Tutor Subtraction 3. Math Tutor Multiplication 4. Math Tutor Division 5. Math Tutor Fractions Part I 6. Math Tutor Fractions Part II 7. Math Tutor Decimals 8. Math Tutor Percents, Ratios and Proportions	1-8	CN2, 3, OP1, 2, 3, 4	TU	Apple Family, Tandy 1000, IBM PC	Scholastic	79.95
* SI-Metric Literacy (530.812) 1986 ¶	5-8	MÉ	TU	Apple Family, IBM PC/PCjr, Tandy 1000	EME	69.00
Soft Text (511) 1. Basic Math Facts I 2. Addition II & III 3. Subtraction II & III 4. Multiplication II & III 5. Division II & III	1-6	OP	D/P	Apple Family	Continental Press	34.95
Speedway Math (511)	1-6	QP 90	D/P	Apple Family	MECC	55.00
Star Maze (500) 1985	3-6	OP	SIM, GA	Apple Family, color monitor	Scott, Foresman	29.95
Stickybear Math 1 & 2 (513) 1984 ¶	1-4	OP	D/P, CMI	Apple Family, Commodore 64/128, IBM PC, color monitor, graphic card adapter	Weekly Reader Software	39.95 AP, IBM 29.95 CO



KEY: * New/Updated

SEED Project Reviews

Title of Software, Dewey Decimal Classification, Application, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price	
Stickybear Word Problems (513) ¶	2-5	PSO	D/P	Apple Family	Weekly Reader Software	39.95	<u> </u>
Storybook Friends: Addition and Subtraction (511)	K-3	OP	GA, D/P	Apple Family, Atari Computers, joystick	Knowledge Access International	39.95	
Storybook Friends: Number Relationships (510)	K-3	CN	GA, D/P	Apple Family, Atari Computers, joystick	Knowledge Access International	39.95	
Strategies in Problem Solving: Dinosaurs & Squids - Spinners & Slugs (510) 1985	5-8	PSO	PS, TU, D/P	Apple Family	Scott, Foresman	49.95	
Subtraction Defenders (513)	2-6	OP	D/P	Apple Family, Commodore 64, TRS-80 i'l/4	Gamco	44.95	
Success with Math Series (513) 1984 ¶ 1. Addition/Subtraction 2. Multiplication/Division 3. Fractions: Addition/Subtraction 4. Fractions: Multiplication/Division 5. Decimals: Addition/Subtraction 6. Decimals: Multiplication/Division	4-8	OP	D/P	Apple Family, Commodore 64, IBM PC/PCjr, Tandy 1000	Microcomputer Workshops	29.95	
Subtract with Balancing Bear (512.92) 1989	K-5	CN	GA. PS	Apple Family	Sunburst	65.00	
Survival Math (513) 1983	6-8	CN, OP, ME, PSO	D/P, SIM	Apple Family, Commodore 64/128, TRS-80 III/4	Sunburst	65.00	
Target Math (510)	2-8	PSO	PS	Apple Family	Midwest Publications	55.00	
easers By Tobbs (510) 1982 ¶	4-8	OP, PSO	PS, GA, D/P	Apple Family, TRS-80 Models, Commodore 64, IBM PC/PCjr, Tandy 1000	Sunburst	65.00	
fime Explorers (529)	K-4	ME	D/P	Apple Family, Commodore 64/128, TRS-80 Model III/4	Gamco	44.95	
Ггар-A-Zoid (516) 1983 ¶	5-8	GE	GA	Apple Family, IBM PC/PCjr, Commodore 64, color graphics card	Britannica Software	9.95	
Freasure Hunt of Facts (511)	1-6	OP	D/P	Apple Family, Utonic voice system	Jostens Learning Corp.	149.00	
Troll Math Class (510) 1. I Can Count 2. I Can Add & Subtract 3. I Can Carry & Borrow	1-2	CN, OP	D/P	Apple Family	Troll Associates	119.85	
Troll Microcourseware Learning Center: Learning to Tell Time (529) 1986	1-3	MÊ	D/P	Apple Family	Troll Associates	39.95	
Understanding Charts and Graphs (511)	4-8	CN5	D/P, TU	Apple Family	Society for Visual Education	189.00	
Understanding Word Problems (510)	4-6	PSO	D/P	Apple Family	Society for Visual Education	229.00	



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¶ SEED Project Reviews

Title of Software, Dewey Decimal Classification, Application, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
What's My Logic? (160) 1985	3-8	PSO	PS, GA	Apple Family	Midwest Publications	39.95
Whole Numbers (510)	3-8	OP1, 2, 3, 4	D/P	Apple Family, Commodore 64/128, IBM PC, TRS-80 III, color graphics adapter	Gamco	54.95
Whole Numbers Practice, PLATO (511) 1983	5-8	OP	D/P, GA	Apple Family, IBM PC/PCjr, Tandy 1000	Control Data	39.95
Wordmath & (510) 1985	4-8	PSO	D/P, CMI	Apple Family	Milliken Publishing	40.00

TEACHER UTILITY

Title of Software, Dewey Decimal Classification, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
Computer-Generated Mathematics Materials /olume 1 - Problem Solving	3-8	N/A	TU	Apple Family	MECC	35.00
Computer-Generated Mathematics Materials folume 2 - Problem Solving	3-8	N/A	ŤU	Apple Family	MECC	35.00
act Sheets 1982 ¶	1-6	OP	TU	Apple Family, IBM PC/PCjr, TRS-80 4, printer	Hartley Courseware	49.95
EGO/Logo 1987	K-8	N/A	TU	Apple Family	LCSI-Logo Computer Systems, Inc.	485.00
OGO (001.64) These LOGO software packages in and of hemselves will not teach BSAP objectives. They may, however, be adapted by teachers and used for that purpose.	1-8	AN, OP, ME, GE, PSO	N/A	Apple Family, Atari Computers, Commodore 64/128, IBM PC/PCjr, Tandy 1000	Various	Varies
ogoWriter (Intermediate and Primary) 1987	K-8	N/A	TU	Apple Family	LCSI-Logo Computer Systems, Inc.	129.00
Mastering Math Diagnostic System	1-4	N/A	TU	Apple Family	MECC	35.00
flastering Math Management System	1-4	N/A	TU	Apple Family	MECC	35.00
dastering Math Worksheet Generator	1-4	N/A	TU	Apple Family	MECC	45.00
fathsheet ¶	1-8	N/A	Tu	Apple Family, Commodore 64/128, printer	Houghton-Mifflin	108.00
Measure Mint-Test Generator Level 1 Level 2	K-3 3-5	N/A	TU	Commodore 64/128, printer	Lintronics	85.00 (1) 95.00 (2)
Practice Makes Perfect evel 1 evel 2	K-3 3-5	N/A	TU	Commodore 64/128, printer	Lintronics	279.00 (1) 297.00 (2)
Tutorial Arithmetic (511)	1-8	OP	TU	Apple Family, IBM PC	Scandura Training Systems	600.00

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SCIENCE OBJECTIVES AND SUBSKILLS

CN: Concepts - The student can apply science concepts.

CN1: The student can comprehend and apply basic LIFE SCIENCE concepts.

CN2: The student can comprehend and apply basic EARTH-SPACE SCIENCE concepts.

CN3: The student can comprehend and apply basic PHYSICAL SCIENCE concepts.

PR: Process Skills - The student can apply science process skills.

PR1: The student can comprehend and apply BASIC science process skills.

PR2: The student can comprehend and apply INTEGRATED science process skills.

ST: Science and Technology - The student can analyze the relationships between science and technology, as well as the relationships of science and technology to self, society, and the environment.

ST1: The student can comprehend, apply, and analyze basic concepts about technology and relationships between science and technology.

ST2: The student can comprehend, apply, and analyze basic relationships between science/technology and self, society, and the environment.

NS: Nature of Science - The student can demonstrate a comprehension of the nature of science.

NS1: The student can comprehend and apply basic concepts about the nature of science.

Pilot TEACHING & TESTING in Science Series, Part 1 and Part 2 Educational Assessment Section, Office of Research South Carolina Department of Education, July 1987; February 1988.



GRADES 1-8 SCIENCE SOFTWARE BSAP CORRELATION

Title of Software, Dewey Decimal Zesaffication, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
cid Rain (574) 1984	PR2, ST2, NS1			Diversified Education	49.95	
daptation & identification (591.51) 1985	5-7	CN1	D/P, PS	Apple Family	Scott, Foresman	49.95
Idventures With Charts and Graphs: Project Zoo 590) 1987 ¶	3-7	CN1, PR1	SiM	Apple Family National Geographic Society		139.50
ir Pallution (628.5) 1982, 1987	7-8	CN2, ST2, PR1, PR2	TU, SIM, LT	M, LT Apple Family, TRS-80 ill/4, Educational Materials & Equip. IBM PC		47.00 AP 48.00 TRS 52.00 IBM
NI About Light and Sound (530)	4-8	CN1,3	TU, GA	Apple Family Ventura Educational Syste		49.95
VI About Matter (541)	4-8	CN3	TU, GA	Apple Family	Ventura Educational Systems	49.95
VI About Simple Machines (531)	4-6	CN3	TU, GA	Apple Family	Ventura Educational Systems	49.95
NI About the Solar System (523.2)	4-8	CN2	TU, GA	Apple Family Ventura Educational S		49.95
All About You and the Weather (551.6) 1985	u and the Weather (551.6) 1985 ¶ K-2 CN2 D/P, PS Ap		Apple Family, Commodore 64	Groller Electronic	54.95	
natomy Challenge (612) 1984	7	CN1	D/P GA	Apple Family, Commodore 64/128 Island Software		29.95
Animal Photo Fun (590)	1-3	CN1	GA	Apple Family, color monitor DLM Teaching Resources		29.95
Astrocalc (520)	8	CN2,ST2, NS1	SIM	Apple Family, Commodore 64/128, IBM PC/PCjr, Tandy 1000	Zephyr Services	29.95
Stronomy: Stars for All Seasons (523.8) 1983 ¶	5-8	CN2	SIM, TU	Apple Family, TRS-80 III/4, Commodore 64	Educational Activities	59.95
Marilab Starter Set (507) 1984	5-8	PR1, PR2, ST1, NS1	LT	Atari Computers	Atari Corporation	99.00
Audubon Wildlife Adventure: Grizzly Bears 599.744)	4-8	CN1, PR1	SIM, PS	Apple Family, IBM	Advanced Ideas	89.95
Balance (574)	7	CN1, PR1, ST2, NS1	SIM Apple Family, Commodore 64/128, Diversified Education IBM PC/PCjr, TRS-80 I/III, Tandy 1000		Diversified Education	54.95
Balance in Nature (574.5)	4-8	CN1	TU, PS	Apple Family, Commodore 64	Focus Media	85.00
Beach Combing Treasures (591.92)	3-7	CN1, PR1	D/P	Apple Family	Spectrum Software	25.00
Body In Focus (611) 1986	5-8	CN1, PR1	SIM	Apple Family, IBM	Mindscape	49.95

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SEED Project Reviews

Title of Software, Dewey Decimal Classification, Application, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendur	Price		
Body Systems II Series (612) 1. A Team to Depend On - Bones & Muscles 2. A Mighty Pump - The Heart 3. A "Puff" of Air - The Respiratory System 4. Disappearing Dinner - The Digestive System	4-7	ČN1	TU, D/P	Apple Family	Marshfilm/Marshware Enterprises	39.95		
Body Transparent (612) 1985 ¶	4-7	CN1, PR1	D/P, GA	Apple Family, Commodore 64/128, IBM PC/PCjr, TRS-80 4, Tandy 1000	Britannica Software	44.95		
Botanical Gardens (580) \$ * Student should have mastered PR1 skills before using PR2 skills.	6-7	CN1, PR2*	SIM, PS	Apple Family	Sunburst 59.00			
Cell Growth and Mitosis (574.87) 1984 ¶	7	CN1, NS1	CN1, NS1 SIM, LT IBM PC/PCjr, Tandy 1000, color Classroom Consortia Media monitor, color graphics adapter		Classroom Consortia Media	69.95		
Cells and Tissues (574.87) 1986 ¶	7	CN1	TU	Apple Family, IBM PC/PCjr	Educational Activities	59.95		
Changing Earth (551) 1985	5, 6, ?	CN2, ST1, PR1	SIM	Apple Family	D C Heath	66.00		
Characteristics of a Scientist (501) 1983	7-8	ST2, NS1	TU	Apple Family	Cygnus Software	39.00		
Classifying Animals Without Backbones (592)	4-7	CN1, PR1	D/P, CMI	Apple Family	D C Heath	66.00		
Colortrope (535.6)	4-8	CN3, PR2, ST1	SIM	Apple Family, IBM PC/PCjr, color monitor	HRM Software, Div. of Queue	79.95		
Comp-U-Solve: An Adventure in Problem Solving (793.7) 1984	2-8	PR1, PR2, ST1, NS1	GA, PS	Apple Family, TRS-80 III/4, Commodore 64/128	Educational Activities	109.00		
Dating and Geologic Time (913) 1986	8	CN2, PR1, PR2, ST2, NS1	SIM, D/P	Apple Family	D C Heath	75.00		
Dinosaur Days (568) 1985	1-6	CN1, CN2	D/P, TU	Apple Family, color monitor	Teach Yourself by Computer Software	39.95		
Dinosaur Zoo (568)	2-5	CN2, PR1, ST2, NS1	D/P, TU	Apple Family, color monitor	Spectrum Software	47.00		
Discover: A Science Experiment (507) 1985 ¶	6-8	CN1, PR1, PR2, NS1	SIM, PS	Apple Family	Sunburst	65.00		
Discovering the Scientific Method (507) 1984	6-8	PR1, PR2, NS1	D/P, TU, PS	Apple Family, TRS-80 Models	Focus Media	55.00		
Discovery Lab (507) 1984	6-8	PR1, PR2	PS	Apple Family	MECC	55.00		
Discovery - Scientific Reasoning (530)	6-8	PR1, 2, NS1	SIM, CMI	Apple Family, color monitor	Milliken Publishing	150.00		
* Drug Alerti (613.8)	4-8	CN1	TU, PS	Apple Family	Mindscape	39.95		

KEY: * New/Updated

¶ SEED Project Reviews

itle of Software, Dewey Decimal Asssification, Application, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
yno Quest (568)	2-8	CN2, PR1, ST2, NS1	GA, SIM, D/P	Apple Family, IBM PC/PCjr, Tandy 1000	Mindplay	49.99
arth & Universe Simulator Package (523.2) Planetarium on Computer: The Solar System The Earth & Moon Simulator	5, 6, 8	CN2, CN3	SIM	Apple Family	Focus Media	75.00 99.00
arthquakes (551.2) 1985 ¶	8	CN2, ST2	TU, D/P	IBM PC/PCjr, color graphics card	IBM Direct	44.00
Earthquake Simulator (551.22) 1986	8	CN2	SIM	Apple Family	Focus Media	99.00
arth Science Series: Ground Water (550) 1984	8	CN2, CN3, ST2	D/P, TU, SIM	IBM PC/PCjr, Tandy 1000, color monitor	IBM Direct	49.00
arth Science Series: Weather Forecasting 551.6) 1986	ries: Weather Forecasting 5-8 CN2, PR1 SIM, TU Apple Family, IBM PC/PCjr, color Prentice Hall monitor, printer		69.00			
arth Science Simulation Series (550)	mulation Series (550) 8 CN2, 3, SIM Apple Family Focus Media PR1, 2		169.00			
arth: The Inside Story (551) ¶	4-8	CN2	TU, CMI	Apple Family, IBM PC/PCjr	Educational Activities	59.95
arth Through Time and Space (520)	and Space (520) ¶ 5-8 CN2 SIM Apple Family, IBM PC/PCjr Educational Activit		Educational Activities	59.95		
asySearch Solar System Rescue (523.2)	5-8	CN2	GA, SIM	Apple Family	Focus Media	49.00
Electric Circuits (621.381)	3-6	CN3	TU, D/P	Apple Family	Educational Materials & Equip.	39.00
Electricity and Magnetism (537) 1986	4-8	CN3, PR1	TU, D/P, SIM	Apple Family, IBM	Educational Activities	59.95
Endangered Species Databases (574.529) 1987	4-8	CN1, N\$1	Database	Apple Family (Requires BANKSTREET SCHOOL FILER PROGRAM)	Sunburst	59.00
nergy and Power (507) 1984	4-8	CNS, PR1, ST1	D/P, TU, PS	Commodore 64/128	Micro Ed	34.95
Environment, The - Science #1 (531)	6-8	CN2, PR1, ST2	SIM	Apple Family, color monitor	Decision Development Corp.	49.95
Experiments in Science (502.8) 1983 ¶	7-8	PR1, PR2, ST1,ST2, NS1	LT, SIM	Apple Family	HRM Software, Div. of Queue	269.0.
Explorations in Science: Animal Survival (575)	3-6	CN2, PR1	D/P, SIM	Apple Family, Utonic voice system	Jostens Learning Corp.	89.00
Explorations in Science: Weather Wise (551.59)	3-8	CN2, PR1, PR2	SIM, D/P	Apple Family, Ufonic voice system	Jostens Learning Corp.	89.00
* Exploring Science I (500)	5.8	CN2, NS1, ST1	TU	Apple Family, MacIntosh, IBM	HRM Software Div. Of Queue	115.00 AP 130.00 IBM 135.00 Mac



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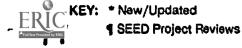
¶ SEED Project Reviews

Title of Software, Dewey Decimal Classification, Application, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
Exploring Science II (500)	5-8	CN1, 3	ŤÚ	Apple Family, Macintosh, IBM, Amiga	HRM Software, Div. Of Queue	135.00 AP 195.00 MAC, IBM 195.00 Amiga
Exploring Science: Temperature (536.5) 1988	7-8	PR1, 2, NS1, ST1	SIM	Apple Family	Sunburst	
Exploring That Amazing Food Factory: The Leaf (581)	7	CN1, PR1, ST2, NS1	D/P, SIM	Apple Family, IBM PC/PCjr, Tandy 1000, color monitor	Thoroughbred Education Software	49.95
Exploring Your World-About You and the Weather (550)	1	CN2, PR1	SIM, TU	Apple Family, color monitor	Groller Electronic	59.95
Factory, The (507) 1984 ¶	4-8	4-8 PR1, PR2, PS, SiM Atari Computers, Apple Family, Sunburst ST1, ST2, Commodore 64/128, TRS-80 NS1 Models, IBM PC/PCjr, Tandy 1000, color monitor		59.00		
Fascinating Story of Cell Growth (574)	7	CN1, PR1, ST2, NS1	SIM, D/P	P Apple Family, IBM PC/PCjr, Thoroughbred Education Software Tandy 1000, color monitor		49.95
Five Senses (612) 1985 ¶ 1. A Touchy Subject 2. Smeit & Tell 3. The Eyes Have It 4. Now Hear This	2-7	CN1, CN3	TU	Apple Family	Marshfilm/Marshware	
4-H Ding Darling Soil, Water, Wildlife Project (631.4) 1985	5-8	CN1, CN2, ST2	SIM, PS, GA	Apple Family	Heartland Education Agency	30.00
* Forecasti (551.6)	8	CN2, PR1	SIM	Apple Family, IBM, Tandy	Mindscape	59.95
Fun House Maze (793.7) 1984	4-8	PR1, PR2	GA, PS	Apple Family, color monitor	Sunburst	65.00
Gears (621.9) 1985 ¶	5-6	CN3, PR1, PR2, ST1, NS1	PS, LT	Apple Family, IBM PC/PCjr, Tandy 1000, TRS-80 Color, color monitor	Sunburst	65.00
* Geology in Action (551)	6-8	CN2, PR1, 2, NS1	PS	Apple Family	HRM Software, Div. Of Queue	49.95
Geology Search (553.2) 1982	4-8	CN2, PR1, PR2, ST2, NS1	SIM	Apple Family, TRS-80 III/4	McGraw-Hill	180.00
Great Life Science Knowledge Race (575)	6-7	CN1	ไป	Apple Family, Commodore 64, IBM PC, Tandy 1000	Focus Media	85.00
Green Plants (581) 1986 ¶	4-7	CN1	TU	Apple Family	Educational Activities	59.95
Grover's Animal Adventures (590)	PreK-1	CN1, PR1	D/P, SIM	Commodore 64/128	Mindscape	41.95
Heart Lab (612) 1982 ¶	7	CN1	SIM, TU, D/P	Apple Family, Commodore 64/128, TRS-80 Models, PET, Atari	Educational Activities	49.95

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Title of Software, Dewey Decimal Classification, Application, Copyright	Grade Lavel	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
feart Simulator (612) 1984 ¶	5-7	CN1	SIM	Apple Family	Focus Media	55.00
leat and Light (530) 1986 ¶	3-6, 8	CN3	TU, D/P	Apple Family, IBM PC/PCjr	Educational Activities	59.95
leat Energy (536) 1985	4-6, 8	CN3, ST1, \$T2	SIM, PS	Apple Family	D C Heath	66.00
leredity Dog (575.1) 1983	7	CN1	TU	Apple Family	HRM Software, Div. of Queue	59.00
lome Automatic Weather Station (551.59) 1983	6-8	CN2, CN3, PR1, PR2, ST1, ST2	LT, SIM	Commodore 64/128 VAISALA, Inc		199.95
lome Energy Conservation (309.49) 1984	6-8	CN3, PR1, PR2, ST1, ST2	TU, SIM	Apple Family, TRS-80 III/4	Educational Materials & Equip.	55.00
Home Energy Savings (339.49) 1983 ¶	6-8	CN3, PR1, PR2, ST1, ST2	GA, PS	Apple Family, TRS-80 III/4	HRM Software, Div. of Queue	49.00
low Plants Grow: The Inside Story (580)	7	CN1, PR1	SIM, TU	Apple Family, IBM PC/PCjr, Tandy 1000, color monitor	Thoroughbred Education Software	
low's and Why's Of Migrating Molecules (541.2)	r's and Why's Of Migrating Molecules (541.2) 7 CN		SIM	Apple Family, IBM PC/PCjr, color monitor	Thoroughbred Education Software	49.95
duman Body (611) 1986 ¶	4-7	CN1	TU	Apple Family	Educational Activities	109.95
luman Body: An Overview (611) 1984	4-7	CN1	D/P, TU	Apple Family, Commodore 64/128, PET	BrainBank	89.00
luman Circulatory System (612)	7	CNt	TU	Apple Family, IBM PC/PCjr	Educational Materials & Equip.	47.00
luman Systems: Series I, II, III (612) 1985, 1988 ¶	5-7	CN1	D/P, TU	Apple Family, Commodore 64/128, TRS-80 Model 4, color monitor	Focus Media	129.00
ncredible Laboratory (507) 1984 ¶	4-8	CN2, CN3, PR1, PR2, ST2, NS1	D/P, GA	Apple Family, Atari Computers, Commodore 64/128	Sunburst	65.00
n Search of the Most Amazing Things (526.8) 1984	6-8	PR1, PF2, ST2, NS1	SIM, PS	Atari Computers, Apple Family, Commodore 64/128, IBM PC, Tandy 1000, joystick	Spinnaker Software	40.00
nsect World: A Science Discovery Unit (595.7)	7	CN1	TU	Apple Family	Ventura Educational Systems	69.95
nterpreting Graphs (511) 1986 ¶	ng Graphs (511) 1986 ¶ 5-8 PR1 GA, D/P Apple Family, Tandy 1000, Sunburst IBM PC/PCjr		Sunburst	65.00		
ntroduction to Matter and Energy (530)	6-8	CN3	D/P, GA, TU	Apple Family, Commodore 64, TRS-80	Focus Media	199.00



Title of Software, Dewey Decimal Massification, Application, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
troduction to Science Package (500) The Solar System The Earth The Weather The World of Insects Prehistoric Life	4-8	CN1, CN2	D/P, TU, GA	Apple Family	Focus Media	149.00
Investigating Matter and Energy Package (530)	5-8	CN3	עד	Apple Family	HRM Software, Div. Of Queue	495.00
Investigating Our World Package (550)	5-8	CN2	TU	Apple Family	HRM Software, Div. Of Queue	475.00
eaf: Structure and Function (580) 1983	5-7	CN1	D/P, SIM, TU	IBM PC/PCjr, Tandy 1000	Classroom Consortia Media	69.95
Leam About Animals (591)	1-3	CN1, PR1	SIM	Apple Family	Sunburst	65.00
Light, Plants, and Photosynthesis: Energy in Conversion (581.133) 1985	7	CN1, PR1, 2	SIM, TU	IBM	iBM Educational Systems	54.40
Machines, Work, and Energy (531)	y (531) 4-6, 8 CN3, ST1 SIM, TU Apple Family Educational Activities		59.95			
Making Circuits (621.319) 1984 ¶	3-6	CN3	SIM	Apple Family	Mindscape	29.95
Marine Life (590)	e Life (590) 7		TU, GA	Apple Family	Ventura Educational Systems	49.95
Measurements: Length, Mass, and Volume (389)	5-8	CN3, PR1, ST1	D/P, TU	Apple Family, Commodore 64/128	64/128 Focus Media	
MECC Mystery Objects (793.7) 1988	1-3	PR1	GA	Apple Family	MECC	59.00
Mineral Tests (549)	8	CN2	TU, GA, D/P	Apple Family, TRS-80	Focus Media	45.00
Mix and Match (790) 1983	1-4	PR1	GA	Apple Family	Apple Computer, Inc.	25.00
Modeling (507) 1983	6-8	NS1	SIM, PS	Apple Family, IBM PC/PCjr, Tandy 1000	MECC	35.00
Molecules and Atoms: Exploring the Essence of Matter (541.2)	6-8	CN3, PR1, NS1	SIM, D/P	Apple Family, IBM PC/PCjr, Tandy 1000, color monitor	Thoroughbred Education Software	49.95
Moon and its Phases (523.3)	4-8	CN2	TU, SIM	Apple Family	SouthWest EdPsyche Services	39.95
Moving Molecules (541)	6-8	CN3	SIM	Apple Family	HRM Software, Div. of Queue	49.95
Mystery Matter (540)	4-6	CN3, PR1, 2	SIM, CMI	Apple Family	MECC	59.00
Nuclear Reactions (539.7)	6-8	CN2, CN3, PR1, ST2, NS1	SiM	Apple Family	D C Heath	75.00
Oh, Deer! (301.3) 1984	5-7	CN1, PR1, PR2, ST2	SIM, PS	Apple Family	MECC	45.00

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Title of Software, Dewey Decimal Assertion, Application, Copyright	Grade Lovel	BSAP Objective	ÇAI Mode	System Requirements	Producer/Vendor	Price
peration Frog (591.4) 1984	4-7	CN1, PR1	SIM	Apple Family, Commodore 64/128, color monitor	Scholastic	59.95
otics on Computer: Physical Science Simulations (535)	6-8	CN3	SIM	Apple Family	Focus Media	65.00
optics. Mirrors and Beams (535)	5) 4-8 CN2, CN3, D/P, SiM Apple Family H PR1, PR2, ST1, NS1		HRM Software, Div. of Queue	79.00		
our Weather (551.5)	4-5	CN2	TU	Apple Family	Little Shaver Software	29.95
Passive Transport (620.1)	7	CN1, 3, PR1	TU, SIM	Apple Family, IBM PC/PCjr, color monitor, color graphics adapter	Apple Family, IBM PC/PCjr, color Classroom Consortia Media monitor, color graphics adapter	
hotosynthesis and Light Energy (581.3) ¶	7	CN1, PR1, PR2, ST1, NS1	D/P, SIM, TU	IBM PC/PCjr, Tandy 1000, color Classroom Consortia Media monitor		69.95
Photosynthesis: Unlocking the Power of the Sun 581)	7	CN1, PR1, PR2, NS1	SIM, D/P	Apple Family, IBM PC/PCjr, Thoroughbred Educational Software Tandy 1000, color monitor		49.95
Physical or Chemical? (531)	4-8	CN3	D/P	Apple Family	Educational Materials & Equip.	33.00
Physical Science Databases for PFS: File (540)	6-8	CN1, CN2, CN3, PR1, PR2	PS	Apple Family, printer	Scholastic	
Planetarium on Computer: The Solar System 523.2)	6-8	CN2	SIM	Apple Family	Focus Media	75.00
Planetary Construction Set (500) ¶	8	ST2, NS1	SIM, TU	Apple Family, Tandy 1000, IBM PC/PCjr	Sunburst	65.00
Plant and Animal Cells (574.8)	7	CN1	TU, GA	Apple Fam	Ventura Educational Systems	49.95
Plant Growth (581)	7	CN1	TU	Apple Family, IBM PC/PCjr/PC XT/AT, color monitor, color graphics adapter	Classroom Consortia Media	34,95 AP 49.95 IBM 59 95 AP IIGS
Plant Growth Simulator: Elementary Version (581)	3-7	CN1	SIM	Apple Family	Focus Media	99.00
Plant: Nature's Food Factory (580)	7	CN1, PR1, PR2, ST2, NS1	TU, SIM	Apple Family	Ventura Educational Systems	69.95
Plato's Cave (160) 1984	5-8	PR1, PR2	SIM, PS	Apple Family, Commodore 64/123, IBM PC/PCjr, Tandy 1000, TRS-80 Models	Krell Software	49.95
Playing with Science; Temperature (536) 1988 ¶	1-8	CN3, PR1,	Lï	Apple Family	Sunburst	99.00



MEY: * New/Updated

¶ SEED Project Reniews

Title of Software, Dewey Decimal Classification, Application, Copyright	Grade Lavel	BSAP Objective	CAI Mode_	System Requirements	Produçer/Vendor	Price
Pollination & Fertilization (582) 1986 ¶	7	CN1	TU 🚶	*HSM PC/PCjr, color monitor	IBM Direct	52.00
Prehistoric Life (560)	5-8	5-8 CN1, 2 D/P, TU, Apple Family Focus Media SIM, GA		Focus Media	45.00	
* Project Classify: Plants (581) 1989	4-7	CN1, PR1	TU, SIM	Apple Family	National Geographic	139.95
* Project Classify: Mammals (599) 1989	4-7	CN1, PR1	TU, SIM	Apple Family	National Geographic	139.95
Puzzie Tanks (793.7) 1984 ¶	3-8	PR1, PR2	D/P, GA	Apple Family, TRS-80 Models	Sunburst	65.00
Rocks and Minerals identification (549)	8	CN2, PR1	SIM	Apple Family	Focus Media	75.00
Rocks: Properties and Uses of Minerals (552)	2-8	CN2, PR1	עד	Apple Family, TRS-80 Models	Spectrum Software	25.00
Rocky's Boots (621.38) 1984	2-8	CN3, PR1, PR2	TU, SIM, GA	Apple Family, IBM PC/PC)r, Commodore 64/128, color monitor	The Learning Company	49.95
* Science Inquiry Collection (500.5) 1. Lunar Greenhouse (4-8) 1989 2. Wood Car Rally (6-8) 1988		CN1, 3, PR1, 2, ST1, NS1	SIM	Apple Family	MECC	59.00
Science Series-Digestive/Circulation (612)	4-7	CN1	TU, D/P, CMI, SIM	Apple Family, color monitor	Milliken Publishing	95.00
Science 1, 2, 3, 4 (500)	4-6, 8	CN1, CN2, CN3	D/P, SIM	Apple Family, IBM PC, color graphic adapter	Decision Development	49.95
Science Square-Off (500) 1986, 1988	4-8	CN1, CN2	D/P	Apple Family	Scott, Foresman	39.95
Science Toolkit-Master Module (542) 1986, 1988	4-8	CN3, PR1, PR2, ST1, ST2	D/P, TU, LT	Apple Family, joystick, color monitor	Broderbund Software	89.95
Science Toolkit-Module 3: Body Lab (612) ¶	4-8	CN1, PR1, 2	LT	Apple Family	Broderbund Software	39.95
Scientific Method, The (793.7)	5-8	PR1, 2, NS1	TU	Apple Family	Cygnus Software	39.00
Sea Horse Hide 'N Seek (688.7) 1984	1-3	CN1	GA	Commodore 64/128, Atari Computers, color monitor, joystick	Mindscape	12.95
Search Series: Geology (550) 1984	6-8	CN2	SiM, PS	Apple Family, TRS-80 III/4	McGraw Hill	180.00
Secrets of Science Island (028.7) 1984	2-8	CN1, PR1, PR2	GA, D/P	Apple Family	Groller Electronic	59.95
Senses (612)	5-7	CN1	GA	Apple : amily	Ventura Educational Systems	39.95
Simple Machines (530) 1984	3-6	CN3	D/P, TU, PS	Commodore 64/128, PET	Micro Ed	34.95
* SI/Metric Literacy (530.812) 1986 ¶	5-8	CN3, PR1	TU	Apple Family, IBM, Tandy	EME	69.00

KEY: * New/Updated

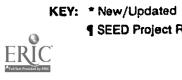
SEED Project Reviews

Title of Software, Dewey Decimal Classification, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price		
ir Isaac Newton's Games (531) 1985 ¶	5, 6, 8	CN2, CN3	GA, SIM	Apple Family, IBM PC/PCjr, Tandy 1000, color graphic card	Sunburst	59.00		
Skeletal System (611) 1983	4-7	CN1	TU	Apple Family, Commodore 64/128, PET	BrainBank	70.00		
iky Lab (520) 1985	7-8	CN2, PR1, ST1, ST2, NS1	TU, SIM	Apple Family MECC		55.00		
Sky Travel (520) 1984	6-8	CN 2, CN3	SIM, L1	Commodore 64/128, color monitor	Apple Computer, Inc.	Varios		
Solar Option (697)	8	CN2, CN3, PR1, PR2, ST2, NS1	SIM	Apple Family, TRS-80 lil/4 Educational Materials & Equip.		65.00 AP 67.00 TRS		
Solar System Astronomy (523.2) ¶	4-8	CN2, ST2	TU, D/P	IBM, color monitor	Cross Educational Systems	various		
Sound (534)	4-8	CN1, 3	TU, SIM, CMI	Apple Family, IBM PC Educational Activities		59.95		
Spotlight (790) 1983	2-6	CN3	GA	Apple Family, game paddles Apple Computer, Inc.		50.00		
Standing Room Only (363.96) 1988	5-7	CN1, PR1, 2, ST1, NS1	SIM	Apple Family Sunburst		65.00		
Stellar Astronomy (520) 1984	8	CN2	D/P, TU, SIM	Apple Family, IBM PC/PCjr, Tandy 1000, color monitor	Cross Educational Systems	30.00		
Structure of Matter (541.2) 1984 ¶	6-8	CN3	TU, SIM	IBM PC/PCjr, Tandy 1000, color monitor	Classroom Consortia Media	69.95		
Systems of the Human Body (612)	5-7	CN1	D/P, SIM/GA/TU	Apple Family, color monitor	Little Shaver Software	29.95		
Telistar (523)	8	CN2	LT	Apple Family, IBM PC/PCjr,XT	Spectrum Holobyte	14.95 AP,IBM 19.95 MAC 29.95 IBM 8087		
Temperature Experiments (53C)	2-8	CN3, ST1, PR1	PS	Apple Family	Hartley Courseware	69.95		
femperature Grapher (536) 1983	7-8 CN2, CN3, SIM, CMI, Apple Family, Commodore 64/128 HRM Software, Div. Of Queue PR1, PR2, LT ST1, St2, NS1		HRM Software, Div. Of Queue	79.00				
Temperature Interface (530)	4-8	CN3, ST1, PR1	PS	Apple Family	Educational Materials & Equip.	98.00		
Temperature Plotter (542)	7-8	CN2, PR1	LT	Apple Family	Vernier Software	39.95		
* Thats Life: Exploration and Simulation in Biology (574)	7	PR1, 2, ST1, NS1	PS, SIM	Apple Family	Mindscape	175.00		

RECKEY: *New/Updated

SEED Project Reviews

Title of Software, Dewey Decimal Classification, Application, Copyright	Grade Level	BSAP Objective	CAI Mode	System Requirements	Producer/Vendor	Price
Time and Seasons (525) 1983	8	CN2, PR1, PR2	D/P, TU, SIM	Apple Family, color monitor	Rand McNalley	111.00
Visual Illusions:Scientific Problem Solving (793.7) 1987			SIM	Apple Family	HRM Software, Div. of Queue	69.00
Volcances (551.2) 1981 ¶	8 CN2 PS, SIM Apple Fa/		Apple Fa/	Earthware Computer Service	49.50	
Voyage of the Mimi 1985 ¶ 1. Ecosystems with Island Survivors (591.9) 2. Introduction to Computing (001.64) 3. Maps and Navigation (623.8) 4. Whales and Their Environment (599)	4-8	CN1, CN2, SIM, PS, Apple Family, IBM PC, Sunburst CN3, PR1, GA, TU, LT Commodore 64/128, Tandy 1000, PR2, ST1, TRS-80 III/4 ST2, NS1		Varies		
Water in the Air (551.5)	5-8	CN2, CN3	SIM, TU	Apple Family	Educational Materials & Eq. Ip.	37.00
Water Pollution (628.1) 1982 ¶	6-8	CN1, CN2, CN3, PR1, PR2, ST1, ST2, NS1	TU, SIM, LT	Apple Family, TRS-80 III/4	Educational Materials & Equip.	35.00
Weather Command (551.5) ¶	5-8	CN2	SIM	Apple Family	Educational Audio Visual	44.75
Weather Fronts (551.5) 1981	8	CN2	TU	Apple Family	Teach Yourself by Computer	24.95
* Weather Machine (551.6) 1988	9	CN2, PR1, 2, NS1, ST1	PS, SIM	Apple Family	National Geographic	159.95
Weather or Not (551.5)	5-8	CN2	TU, SIM	Apple Family	Rand McNally	90.00
Who Am !? Junior Science Series (574) ¶	2-6	CN1, PR1	GA	Apple Family	Focus Media	45.00
Worm, The (595)	7	CN1	GA, TU, SIM	Apple Family, Macintosh, IBM PC	Ventura Educational Systems	39.95 AP 49.95 Mac,IBM
Your Universe (500)	4-8	CN2	GA, TU, D/P	Apple Family	Focus Media	99.00



¶ SEED Project Reviews

DATABASE AND CURRICULUM SYSTEMS MICROCOMPUTER SOFTWARE IN READING AND WRITING

APPLEWORKS

Apple Computer, Incorporated 10525 Mariani Avenue Cupertino, CA 95014

WICAT Basic Division 1396-B Post Oak Drive Clarkson, GA 30021

WRITING TO READ

IBM

(any IBM retail store)

RETURN TO READING

Media Basics, Incorporated Larchmont Plaza Larchmont, NY 10538

BASIC LITERACY THROUGH MICROCOMPUTERS

Reid Foundation 3310 South 2700 East Salt Lake City, Utah 84109 801/486-5083

Governor's Remediation Initiative (GRI) 115 Withers, Winthrop College Rock Hill, SC 29733 803/323-2120

Computer Curriculum Corporation (CCC) 1775 The Exchange, Suite 615 Atlanta, GA 30339 404/952-9287 or 800/334-6343

Education Systems Corporation (ESC) 600 South Rays Road Stone Mountain, GA 30083 404/296-6714



SOFTWARE EVALUATION CHECKLIST

Pro	ogram Name:	Source:	Coet:			
Sul	bject Area:	Reviewer's Name:	Date:			
1.	INSTRUCTIONAL RANGE grade level (s) abi		NSTRUCTIONAL STYLE active			
2.	INSTRUCTIONAL GROUPING FOR PROGRAM USE individual small group (size) large group (size))	. type of student involvement			
	PROGRAM USE(S) drill or practice tutorial si	· · · ·	degree of student control			
	instructional gaming problem solving informational other ()				
5.	USER ORIENTATION - INSTRUCTOR'S POINT OF VIEW low high		. use of color			
6.	freedom from need to intervene or assist		. use of novice audio			
	quality of directions (clarity) quality of output (content and tone)		was at other t			
	quality of screen formatting freedom from need for external information	9. SOCIAL CHARACTE present and no negative pres	ot present and sent positive			
7.	freedom from disruption by system errors simplicity of user input CONTENT		competition cooperation humanizing of computer			
7.	low high instructional focus		moral issues/value judgements summary of student performance			
	instructional significance soundness or validity					
	compatibility with other materials used					



EXPLANATION: SOFTWARE EVALUATION CHECKLIST

- 1. The grade levels and ability levels for a particular program are primarily determined by the concepts involved. Other important factors are reading level, prerequisite skills, degree of student control, and intended instructional use. It is possible for a program to be flexible enough to be used across a wide range of grade levels and ability levels.
- 2. Some programs are designed for use by individuals. Others have been or can be modified for participation by two or three persons at a time. Simulations or demonstrations often pose opportunities for large-group interaction. A given program may be used in more than one grouping, depending on the instructor.
- 3. The time required for the use of a program will vary considerable. Include loading time for cassettes. A time range is the appropriate response here.
- 4. Instructional programs can be categorized according to their uses. Some programs may have more than one use, thus falling into more than one of the following categories:

Drill or practice - Assumes that the concept or skill has been taught previously.

Tutorial - Directs the full cycle of the instructional process; a dialogue between the student and the computer.

Simulation - Models selected, alterable aspects of an environment.

Instructional gaming - Involves random events and the pursuit of a Winning strategy.

Problem solving - Uses general algorithms common to one or more problems.

Informational - Generates information (data).

5. These are factors relevant to the actual use of the program from the point of view of an instructor.

Flexibility - A program may allow the user or the instructor to adjust the program to different ability levels, degrees of difficulty, or concepts.

Intervention or assistance - A rating of "low" means considerable teacher intervention or assistance is required.

These are factors relevant to the actual use of the program from the point of view of a student.

Directions - The directions should be complete, readable, under the user's control (e.g., should not scroll off the screen until understood), and use appropriate examples.

Output - Program responses should be readable, understandable, and complete. If in response to student input, the output should be of an acceptable tone and consistent with the input request.

Screen formatting - The formats during a program run should not be distracting or cluttered. Labels and symbols should be meaningful within the given context.

External information - A program may require the user to have access to information other than that provided within it. This may include pre-requisite content knowledge or knowledge of conventions used by the program designer as well as maps, books, models, and so on.

System errors - System errors result in the involuntary termination of the program.

Input - A program should ensure that a user knows when and in what form input is needed. It should avoid using characters with special meanings, restrict input locations to particular screen areas, and require minimal typing.

7. These are matters relevant to the subject-matter content of the programs.

Focus - The program topic should be clearly defined and of a scope that permits thorough treatment.

Significance - The instructional objectives of the program must be viewed as important by the instructor. Also, the program should represent a valid use of the computer's capabilities while improving the instructional process.

Soundness or validity - The concepts and terms employed should be correct, clear, and precise. Other important factors are the rate of presentation, degree of difficulty, and internal consistency.



Compatibility - The content, terminology, teaching style, and educational philosophy of the program should be consistent with those generally encountered by the student.

8. No explanation required.

, <u>1</u>

9. Competition, cooperation, and values are concerns that may be a function of the way a program expresses them. (War games and the "hangman" format are sample issues.) Also, the "humanizing" of the computer may serve for motivation or to reduce anxiety, but it also may become tedious, misleading, and counterproductive.

The summary of student performance can be dichotomous (win or lose), statistical (time expended or percent of items correct), or subjective (as in the evaluation of a simulation). It may be for student, teacher, or both.



PROJECT SEED EVALUATION INSTRUMENT

Southeastern Educational Improvement Laboratory

	e Submitted:					
Eva	luator:			Field of Experti	se:	
***				PART I	# # # # # # # # # # # # # # # # # # #	********************************
	oducer:					
Tit	le:					
٨.	Number of each: Master Di	sks Backup Di Series Title (if any,:	sks Guide	s/Manuals	Other Items/Materials:	(specify)
	Packages in Series:			Series Price:		
	tab Packages Available:	(ves) (no)	Number of Disks in	Lab Package:	Lab Package Price:	
	Network Version Available:	(yes) (no)	_ Network Version	Price:		
	Preview Policy:	(specify)		Backup Policy	/:	(specify)
	Licensing Agreement:					
ß.			Memory Size:		Operating System.	
	Computer Versions Availabl	e (specify):				
	Peripherals and Special De				Out Diel Deine	lousticke
	Color Monitor					JOYSCICKS
	Graphics Tablet	PaddlesToi	ich Screen	Other		



PART II Evaluator Information

							t Area	:			 <u></u>			
Grade Level(s): K Presentation Mode:	. 1 CMI	2 D/P	3 GA	4 P/S	5 511	6 1 1				10 ropriate	12		(Circle Appropriate Level)	
A. CONTENT SUMMARY:				***************************************					PAI	RT III	 ····	<u></u>		· . · . · . · . · . · . · . · . · .
B. STRENGTHS:											 			
C. WEAKNESSES:											 	<u> </u>		
D. USERS/USES:														
E. RECOMMENDATION:	Recom	mended		R	e c onme i	nded wi	ith Re	 servat	ions		 Not Rec	ommended		



PROJECT SEED EVALUATION INSTRUMENT EXPLANATION SHEET

INSTRUCTIONS: The following information is to be used as a guideline for the completion of the Project SEED Evaluation Instrument. Each item identified on the Evaluation Instrument is discussed to aid understanding. NOTE: All responses on the Evaluation Instrument are to be NEATLY printed or typed.

- 1. Date Submitted State the date the package was sent to the Evaluator(s).
- 3. Evaluator Provide name(s) of person(s) evaluating software.

PART I

- 1. **Producer:** Identify the name of the company producing the materials not necessarily the vendor/salesperon. Check both the written material and the diskette for concurring information.
- 2. Title: The full title of the package should be stated, including and series indication. Check the written material, the outside wrapper, and the diskette for concurring information.

A. Package Information:

- Number of Master Disks: Indicate the number of master diskettes actually boxed with the material.
- 2. Number of Backup Disks: Indicate the number of backup diskettes acutally boxed with the materials.
- 3. Guides/Manuals: Guides/manuals should be identified as printed documentation that explains the primary use of the material and provides sufficient instruction for operation for student and/or teacher use. List the number packaged with the software.
- 4. Other Items/Materials: If any other items (wall charts/posters, ditto master, game materials, transparencies, student manuals, etc.) are included as separate items in the package, specify how many of each type of item are included. For example:
 - 1 8"x12" poster, 5 ditto masters
- 5. Package Price: Indicate the price of the package submitted.
- 6. Series Title: Respond with the complete series name that includes the title provided above.
- 7. Packages in Series: Packages include all materials packaged (shrink-wrapped) with the diskettes. Indicate the number packages in the series.
- 8. Series Price: List the series price. Series price refers to the total for the different packages in the series. It does not refer to a lab package of the same item.

- 2. State Enter two-letter state abbreviation.
- 3. Field of Expertise Specify evaluator's subject area and/or grade.
 - 9. Lab Package Available: Check whether or not lab package is available.
 - 10. Number of Disks in Lab Package: Indicate the number of individual disks included in the lab package.
 - 11. Lab Package Price: List the lab package price.
 - 12. Network Version Available: Check whether or not network version is available.
 - 13. Network Version Price: Record the cost of the network version of the software (including any special cards, chips, etc., that are sold with the software and that are necessary to use the network version.)
 - 14. Preview Policy: State preview policy.
 - 15. Backup Policy: State backup policy.
 - 16. Licensing Agreement: State licensing agreement.

B. System Requirements:

- 1. Version Submitted: Specify make and model necessary to preview the package submitted.
- 2. Memory Size. Specify memory necessary to preview the package submitted.
- 3. Operating System: Specify operating system necessary to preview the package submitted.
- 4. Computer Versions Available: List all computer versions available for this package.
- Peripherals and Special Devices: Denote whether or not specific peripherals/devices are: Required (R), Preferred (P), or Optional (O). Indicate additional items not listed on the form in the "Other" category.

ERIC
Full Text Provided by ERIC

PART II EVALUATOR INFORMATION

- Computer Make/Model Used for Review: Specify the computer make/model used for your evaluation.
- 2. Disk Copyright Date: Specify the copyright date given on disk and/or screen, if available.
- 3. Content Area: Use the following labels to indicate the appropriate content area(s) of the material. NOTE: If your particular area description is not listed, select a label that best matches that designation, rather than label an item "Other." Use "Other" if no match is possible.

AE Art Education

BV Business/Vocational Education

CC Career Planning/Counseling

CT Computer Literacy/Technology

FL Foreign Language

GT Gifted/Talented

HE Home Economics/Living Skills

HS Health/Safety

IT Instructional Media

KB Keyboarding

LA Language Arts

LM Library/Media Skills

MA Mathematics

MU Music

PE Physical Education

PR Preschool/Early Childhood

PS Problem Solving/Logic

SC Science

SN Special Needs/Handicapped

SS Soc. Studies (History, Geog.)

TS Traffic Safety

UP Utility/Productivity Tools

VE Vocational Education

Other

- 4. Specific Topics: Even though you have specified a general content area, identify as specific topic(s) any subcategories that the material specifically addresses. For example, If science is the "Content Area," then biology-photosynthesis might be the "Specific Topic"; if math is the "Content Area," percent/decimals might be the "Specific Topic."
- 5. **Grade Level** (program scope): The response will indicate the recommended target audience by grade levels. Therefore, circle (with one circle) all the grade levels for which the material would be appropriate, including the adult level.

For example: ... 5 6 7 8 9 10 ...

- 6. Presentation Mode: Check the most appropriate mode(s) for the software. In some cases, two or more modes may apply.
 - CMI Computer-Managed Instruction: A possible component of instructional computer software that assists in managing instruction by collecting, storing, and retrieving students' skill-mastery/progress date.

- D/P Drill and Practice: Provides activities/exercises to reinforce or practice concepts and skills already taught or learned.
- GA Game: Uses a variety of game formats and elements of competition to motivate students to apply skills they have mastered to accumulate points/scores.
- P/S Problem Solving: Requires the student to analyze a situation or a problem, make a decision by applying accepted principles or rules, and continue the process in solving the problem.
- SIM Simulation: Provides models of situations or events too complex, dangerous, expensive, or inconvenient to reproduce in the classroom. Student analyzes situations, makes decisions, and is informed of the results.
- TU Tutorial: Presents new concepts or skills by means of example and questions, often providing tests and remediation.
- PART III (Une a separate sheet of paper to continue any part for which there is insufficient space. Please include the name of the Evaluator and the name of the software on this sheet and staple the sheet to the Evaluation Instrument.)
- A. CONTENT SUMMARY: A brief description of the program that includes the following elements:
 - 1. Content Area
 - 2. Presentation Mode
 - 3. Specific Topics
 - 4. Objectives Description of activities that the user performs and how those activities relate to the stated objectives. Example: This early childhood simulation allows children to develop conceptual skills such as planning, matching, and directionality. The package includes 5 disks, one level per disk. Activities are based on Piagetian developmental psychology and discovery learning. The user selects an activity from a menu and uses a computer to plan, create, and manipulate pictures on the screen. Cue cards are used to prompt students in the use of the keyboard.
- B. STRENGTHS (Desirable Features): Related to Users/Uses. Add specific features, for example: Ease of use: Automatic start-up. Menu-driven. Offers help, tutorial, review features. Little or no teacher intervention required. Controllable pace/level. On-line documentation. Adequate printed documentation. Offers several examples. Directions are clear, concise, and



appropriate for intended user. Provides help. Easy access and exit. Presentation (sound, graphics, etc.) does not disturb user. Can be interrupted and saved.

Instructional Design: Factually accurate. Current information. Significant, clear, concise information. Content appropriate for computer. Exploits branching capabilities of computer. Uses language, terminology correctly. Pedagogically sound. Requires active participation. Requires decision making. Provides immediate and appropriate feedback or reinforcement. Provides motivational responses. Uses color, sound, graphics appropriately. Optional sound. Appropriate speed of presentation. Appropriate recovery from errors, unexpected responses. Appropriate length, complexity for intended use/audience. Can be interrupted/saved. Allows choice of number of trials/problems.

Display/Screen Presentation: ...ttractive. Legible. Consistant. Appropriate spacing and timing. Proper integration of color, sound, graphics.

Report Keeping: Collects significant, usable data. Stores student data. On-line report to student. Data easily retrieved on-/off-line.

Support Materials: Appropriate guides, workbooks, other ancillary materials. Supplemental materials referenced. Technical documentation outlines program modification process. Scope-and-sequence chart provided. Support materials for teachers are provided and should be reviewed before assigned.

- C. WEAKNESSES: Be specific in describing weaknesses. However, if no weaknesses are identified, please so state. Examples include: Technical errors. Factual (content) errors. Lack of instructional purpose. Distracting features. Inappropriate feedback. Continues only on correct response. Inappropriate speed. Does not provide for review. Sound, graphics tend to distract. Screen appears cluttered. Print is small. Does not distinguish instructions from practice examples. Reinforcement slow, inappropriate for students. Requires follow-up for students. Requires follow-up by teacher. No means for recording correct/incorrect scores.
- D. USER/USES: Describe how the program could be used and for whom it is appropriate. May include significant prerequisites, such as any prior learning or experiences needed for users to give desired learner responses.
- E. RECOMMENDATION: The appropriate recommendation should be checked by the Evaluator. The recommendation checked must be justified by comments specified in PART III.



PRODUCER/VENDOR LISTING

Addison-Wesley Publishing Company 2725 Sand Hill Road Menio Park, CA 94025 800/447-2226

Advanced Ideas 2902 San Pabio Avenue Berkeley, CA 94702 415/526-9100

Ahead Designs 732 N. Highway 101, Suite E Encinitas, CA 92024 619/942-5860

American Educational Computer, Inc. Suite 505 7576 N. Broadway Ext. Okiahoma City, OK 73116 405/840-6031

Aladdin Software 1001 Colfax Street Danville, IL 61832 217/443-4611

Apple Computers, Incorporated 20525 Mariani Avenue Cupertino, CA 95014 408/996-1010

Atari Corporation 1196 Borregas Avenue Sunnyvale, CA 94088 408/745-2000

Atarl Program Exchange P. O. Box 427 155 Moffett Park Drive Sunnyvale, CA 94086

B5 Software 1024 Bainbridge Place Columbus, OH 43228 614/276-2752

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BrainBank/Generation Ahead, Incorporated 175 Fifth Avenue, Suite 2460 New York, NY 10010 212/777-7035 Britannica Software 345 Fourth Street San Francisco, CA 94107 415/546-1866

Broderbund Software 17 Paul Drive San Rafael, CA 94903 415/492-3200

CAE Software P. O. Box 6227 Washington, DC 20015 202/966-3686

C & C Software 5713 Kentford Circle Wichita, K\$ 67220 316/683-6056

Clar voom Consortia Media, Inc. Suite 209 One Edgewater Plaza Staten Island, NY 10301 800/237-1113

Commodore Educational Activities, Inc. 1200 Wilson Drive West Chester, PA 19380 800/247-9000

Conduit Univ. Of Iowa, Oakdale Campus Iowa City, IA 52242 319/335-4100

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