



**101 Winning Ways with Base 10:
Activities for Grades 1-3**

Author(s): Cross, M.; Hulland, J.

General Description:

Resource binder comprises a sequenced set of problem-solving activities that focus on base ten materials. Blackline master activity sheets help students develop an understanding of counting, place value, regrouping and decimals. Supports active learning, oral language and student record keeping.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
	✓	✓	✓									

Year Recommended in Grade Collection: 1999

Supplier: *Exclusive Educational Products*
243 Saunders Road
Barrie, ON L4N 9A3

Tel: (705) 725-1166 **Fax:** (705) 725-1167

Toll Free: 1-800-563-1166

Web Address: www.exclusiveeducational.ca

Price: \$31.46

ISBN/Order No: Not available

Copyright: 1989



**101 Winning Ways with Base 10:
Activities for Grades 4-6**

Author(s): Cross, Marian Dr.; Hulland, Jan

General Description:

Resource binder comprises a sequenced set of problem-solving activities that focus on base ten materials. Blackline master activity sheets help students develop an understanding of counting, estimating, place value, regrouping and decimals. Supports active learning, oral language and student record keeping. Emphasizes estimation skills.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
				✓	✓	✓						

Year Recommended in Grade Collection: 1999

Supplier: *Exclusive Educational Products*
243 Saunders Road
Barrie, ON L4N 9A3

Tel: (705) 725-1166 **Fax:** (705) 725-1167

Toll Free: 1-800-563-1166

Web Address: www.exclusiveeducational.ca

Price: \$31.46

ISBN/Order No: 0061

Copyright: 1990



**ABCirque! (English Macintosh / Windows
Version)**

General Description:

CD-ROM for Macintosh and Windows provides a set of eight educational games designed to help children learn to read and count. The games, organized around a circus theme, allow students to choose among letters, numbers and geometrical shapes. There is no accompanying user's guide.

System Requirements:

Macintosh: System 7.0 or higher; 68020, 68030, 68040 processor or PowerPC; 4 Mb RAM; 256 colour 640 x 480 monitor; CD drive.

Windows 3.1: 486 processor or faster, 4 Mb RAM, 256 colour 640 x 480 monitor and card, CD drive, sound card.

Windows 95: 486 processor or faster (Pentium recommended), 4 Mb RAM, 256 colour 640 x 480 monitor and card, CD drive, sound card.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
✓												

Year Recommended in Grade Collection: 1999

Supplier: *Diffusion Dimédia*
539 boulevard Lebeau
Ville Saint-Laurent, QC H4N 1S2

Tel: (514) 336-3941 **Fax:** (514) 331-3916

Price: Single User \$39.95
5-User Labpack \$160.00
10-User Labpack \$280.00

ISBN/Order No: Not available

Copyright: 1997



Adventures in Flight

Author(s): Seidman, Susan

General Description:

CD-ROM for Macintosh or Windows with accompanying teacher's resource binder is an open-ended program supporting several mathematical concepts. Using an airport setting, students explore demonstrations and solve problems related to five areas of airport operation. Graphics, photos, sound effects and animation, in an interactive design, encourage understanding. Teachers can track student progress. Includes blackline masters.

System Requirements:

Macintosh: LC III or later; 13" colour monitor set at 256 colours (8 bit); minimum 4 Mb RAM (5 Mb or more recommended); System 6.0.7 or later; printer recommended; CD-ROM drive. Windows: 386DX or later; Windows 3.1; Super VGA (640x480, 256 colours); minimum 4 Mb RAM (8 Mb recommended); Virtual Memory must be turned on; "Arial" TrueType font; mouse; SoundBlaster compatible sound card; CD-Audio and Sound drives compatible with MPC standards; speakers; printer recommended.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
					✓							

Year Recommended in Grade Collection: 1999

Supplier: Pearson Education Canada
26 Prince Andrew Place
Don Mills, ON M3C 2T8

Tel: (416) 447-5101 **Fax:** 1-800-563-9196

Toll Free: 1-800-387-8028/7851

Web Address: www.personed.ca

Price: \$73.72

ISBN/Order No: 0-201-82202-6/82201

Copyright: 1995



Architek (English Version)

Author(s): Lyons, M.; Lyons, R.

General Description:

Game that develops motor, perception and intellectual skills, consists of 18 blocks of various geometric shapes and a set of 90 problem cards. Students learn to recognize and name solids and explore the concepts of angles, proportion, similarity and force. The 120 problems are in varying levels of difficulty. Includes instruction booklet with answers.

Audience: General

ESL - visual focus

Gifted - varying degrees of difficulty; facilitates higher-level thinking skills

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓									

Year Recommended in Grade Collection: 1999

Supplier: Chenelière/McGraw-Hill
7001, boulevard Saint-Laurent
Montréal, QC H2S 3E3

Tel: (514) 273-1066 **Fax:** (514) 276-0324

Toll Free: 1-800-565-5531

Web Address: www.dlcmcgrawhill.ca

Price: \$39.94

ISBN/Order No: 289114533X

Copyright: 1993



Data Explorer (Version 1.1 for Macintosh and Windows)

General Description:

This resource is a very useful tool for collecting and representing data in graphs. Students create and administer surveys, either on paper or on the computer; input the data, if collected on paper and then manipulate it to create graphic representations. An electronic notebook allows students to complete an analysis on-screen. The program supports line plots, with icon choices, bar graphs, histograms, broken line graphs, box and whisker plots, stem and leaf plots, scatter plots, Venn diagrams, circle graphs and tables. The teacher support material includes a reference section that provides explanations of the functions of the program. The program often chooses axes that do not start at 0. This can be adjusted in some of the types of graphs.

System Requirements:

Macintosh: System 7.0 or higher, 68040 processor or better, 33 MHz, 3.5 Mb RAM, 256 colour 640 x 480 monitor.

Windows 3.1: Windows 3.1 or higher, 386 processor or better, 256 colour 640 x 480 monitor.

Windows 95: Windows 95 or higher, 486 processor or better (Pentium recommended), 256 colour 640 x 480 monitor.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
				✓	✓	✓						

Year Recommended in Grade Collection: 1999

Supplier: Gage Educational Publishing Co.
7554 Haszard Street
Burnaby, BC V5E 3X1

Tel: (604) 983-0922 **Fax:**

Price: \$119.95

ISBN/Order No: Not available

Copyright: 1998



Dealing with Data: Probability and Sampling

Author(s): Montesanto, R.

General Description:

Resource provides a problem-solving step-by-step approach to probability and sampling. A series of investigations focus on discovering probability, using sample data in decision making, using probability and sampling. Activities are suitable for group and project work.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
							✓					

Year Recommended in Grade Collection: 1999

Supplier: *Nelson Thomson Learning*
1120 Birchmount Road
Scarborough, ON M1K 5G4

Tel: (416) 752-9448 **Fax:** (416) 752-8101

Toll Free: 1-800-268-2222/1-800-668-0671

Web Address: www.nelson.com

Price: \$29.45

ISBN/Order No: 0669954772

Copyright: 1996



The Geoboard Portfolio

Author(s): Lashmar, P.; Lessard, P.

General Description:

Resource package presents a series of problem-solving activities using 5x5 pin geoboards. Laminated activity cards focus on squares, triangles, rectangles and other polygons, perimeter and area, motion geometry, symmetry and fractions. Supports cooperative learning and journal writing. The accompanying activity booklet has teaching notes and selected answers, along with an assessment organizer that includes tracking activities, student conference organizers, self-assessment instruments, generic organizers and journal suggestions. Geoboards must be purchased separately.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
					✓	✓	✓					

Year Recommended in Grade Collection: 1999

Supplier: *Spectrum Educational Supplies Ltd.*
125 Mary St.
Aurora, ON L4G 1G3

Tel: (905) 841-0600 **Fax:** (905) 727-6265

Toll Free: 1-800-668-0600

Price: \$31.15

ISBN/Order No: 1895165644/22003

Copyright: 1994



The Geometer's Sketchpad Version 4

General Description:

Construction and exploration tool models geometry in two linked views, sketches and scripts. Sketches depict concrete geometry and emphasize spatial reasoning, while scripts describe constructions verbally and abstractly. The program allows for the construction, labelling, measurement and manipulation of any geometric figure, as well as the exploration of geometry concepts taught in Grades 7 through 11. The *Sketchpad Resource Centre* website, www.keypress.com/sketchpad, provides technical support and an online activity guide.

Optional activity modules are *Exploring Geometry with The Geometer's Sketchpad* and *Geometry Activities for Middle School Students with The Geometer's Sketchpad*. *Exploring Geometry* includes reproducible blackline masters plus a Windows/Macintosh CD-ROM with over 100 sketches and scripts that accompany the activities. *Geometry Activities for Middle School* consists of blackline activity masters that begin with a introductory tour of the basics of the program followed by geometry explorations. The CD-ROM includes all of the student sketches and teacher demonstrations.

System Requirements:

Macintosh: minimum of PowerPC-based system or equivalent; Mac OS 8.6 or later; 16 Mb RAM; CD-ROM drive
Windows: Pentium-based system or equivalent; Windows 95 or NT 4.0 or later; 16 Mb Ram; CD-ROM drive

Cautions:

The system defaults to inches, but it can be set to centimetres.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
							✓					

Year Recommended in Grade Collection: 2000

Supplier: *Spectrum Educational Supplies Ltd.*
2102 Elspeth Place
Port Coquitlam, BC V3C 1G3

Tel: (604) 942-5835 **Fax:** (604) 941-1066

Price: \$694.95 10-User Lab Pack
\$1,494.95 50-User School Site License
\$65.95 Exploring Geometry
\$65.95 Geometry Activities for Middle School

ISBN/Order No: 68600 10-User Lab Pac
68602 50-User School Site License
73434 Exploring Geometry
73430 Geometry Activities for Middle School

Copyright: 2001



Geometry Blaster

General Description:

CD-ROM package for Macintosh or Windows includes lessons, activities and games, all of which teach and reinforce geometric concepts. It uses a three-level approach, allowing a student to progress at a beginning, an intermediate or a mastery level. The main topics explored are points and lines, triangles, polygons and quadrilaterals, similarity, circles, perimeter and area, solids in 3D, coordinate geometry, transformational geometry and logical reasoning and proof. Requires decision making and creative thinking by students.

System Requirements:

Macintosh: System 7.0 or later, 8 Mb RAM.
 Windows 3.1: 386/33 MHz, 8 Mb RAM, Pentium processor recommended, 256 super VGA or better colour monitor, sound and graphics cards, CD-ROM drive, and a mouse required; printer is recommended.
 Windows 95: 486/50 MHz, 8 Mb RAM, Pentium processor recommended, 256 super VGA or better colour monitor, sound and graphics cards, CD-ROM drive, and a mouse required; printer is recommended.

Cautions:

Minimal emphasis real-life problem solving.
 The games assume knowledge beyond the Grade 7 level and many parts of the resource are beyond the Grade 9 level.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
							✓					

Year Recommended in Grade Collection: 1999

Supplier: *Davidson & Associates, Inc.*
 19840 Pioneer Avenue
 P.O. Box 2961
 Torrance, CA 90503

Tel: (310) 793-0600 **Fax:** (310) 793-0601

Toll Free: 1-800-545-7677

Price: \$79.95

ISBN/Order No: 0-7849-1063-4

Copyright: 1996



Geometry Grade 2

Author(s): Confer, Chris

General Description:

Book provides a complete unit of instruction to help students construct their own understanding of the properties of shapes, how shapes relate to one another and what happens when shapes are combined or divided. Students develop spatial understanding through problem solving. Includes information on lessons, assessment and homework. Only addresses 2-D shapes.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
		✓										

Year Recommended in Grade Collection: 1999

Supplier: *Pearson Education Canada*
 26 Prince Andrew Place
 Don Mills, ON M3C 2T8

Tel: (416) 447-5101 **Fax:** 1-800-563-9196

Toll Free: 1-800-387-8028/7851

Web Address: www.personed.ca

Price: \$32.60

ISBN/Order No: 0-201-87208-0/87208

Copyright: 1994



The Graph Club

General Description:

Integrated resource is designed to help students read and interpret graphs, use graphs to communicate information, answer questions and solve problems. It assists students in making the transition from graphing with manipulatives to graphing in the abstract and helps them understand the relationship between different representations of the same data. Encourages problem solving, cooperative learning and cross-curricular integration. Includes classroom tips and activities, sample graphs, blackline masters and software choices. Package can stand alone without software.

System Requirements:

Macintosh: Macintosh Classic, System 7.0 or later, 4 Mb RAM.
 Windows: Windows 3.1 or Windows 95, 386 or 486, 4 Mb RAM, sound card, VGA monitor, mouse.

Cautions:

There is no sort command to allow for changing display format and automatic sorting of data.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓									

Year Recommended in Grade Collection: 1999

Supplier: *TORCOMP Systems Ltd.*
 7070 Pacific Circle
 Mississauga, ON L5T 2A7

Tel: (905) 564-7272 **Fax:** (905) 564-1377

Toll Free: 1-800-561-7520

Web Address: www.torcomp.com

Price: \$119.95 each version

ISBN/Order No: Not available

Copyright: 1995



Graphers

General Description:

Graphing tool allows the user to collect, organize and display data in various forms of charts and graphs appropriate to grade level. It also allows for communicating information about the data in an on-screen notebook. This program features a variety of topics, complete with icons; a split screen to view more than one chart and/or graph; a work space where students can manipulate data and a teacher's option feature that allows teachers to select graphs according to a student's grade level. The teacher guide provides sample lessons by grade level, step-by-step instructions on how to use the program and a set of blackline masters.

System Requirements:

Macintosh: System 6.0.7 or higher, 68020 processor or higher, 2 Mb RAM.
Windows 3.1: Windows 3.1 or higher, 2 Mb RAM.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓	✓								

Year Recommended in Grade Collection: 1999

Supplier: *Gage Educational Publishing Co.*
7554 Haszard Street
Burnaby, BC V5E 3X1

Tel: (604) 983-0922 **Fax:**

Price: \$99.95

ISBN/Order No: Not available

Copyright: 1997



Hot Dog Stand: The Works

General Description:

This software for Macintosh or Windows simulates running a hot dog stand. Students gather information, keep records, plan inventory, decide on pricing and look at selling strategies. There are three levels of operation. At the intermediate and advanced levels, students also deal with the unexpected events of running a business, such as weather, unreliable suppliers and machine breakdown. Students estimate, calculate, read graphs and keep track of their progress in a journal - incorporated as a mini-word processor. The accompanying teacher's guide provides follow-up activities related to starting and running a business.

System Requirements:

Macintosh: System 7.0 or later; 68040 or later processor; 8 Mb RAM; 31 Mb hard drive space; double speed CD-ROM drive; and 640 x 480 256 colour monitor.
Windows: Windows 3.1 or Windows 95, 8 Mb RAM, 30 Mb hard drive, double speed CD-ROM drive, 640 x 480 256 colour monitor.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
				✓	✓	✓	✓					

Year Recommended in Grade Collection: 1999

Supplier: *Gage Educational Publishing Co. (Scarborough)*
164 Commander Boulevard
Scarborough, ON M1S 3C7

Tel: (416) 293-8464 ext. **Fax:** (416) 293-9009

Toll Free: 1-800-667-1115

Web Address: www.gagelearning.com

Price: \$89.95 each version

ISBN/Order No: Not available

Copyright: 1996



Interactions (Level Kindergarten)

Author(s): Hope, J.; Small, M.

General Description:

Activity-based program stimulates mathematical thinking, and helps students become flexible problem solvers and develop positive attitudes toward math. The package comprises a teacher's resource binder with blackline masters and a math literature pack with one big book, seven read together books, fourteen small books and two audio cassettes.

Cautions:

In the math literature pack, one story relates to a wizard and magic.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
✓												

Year Recommended in Grade Collection: 1999

Supplier: *Pearson Education Canada*
26 Prince Andrew Place
Don Mills, ON M3C 2T8

Tel: (416) 447-5101 **Fax:** 1-800-563-9196

Toll Free: 1-800-387-8028/7851

Web Address: www.personed.ca

Price: Teacher's Resource Binder: \$102.47
Math Literature Pack: \$208.00

ISBN/Order No: Teacher's Resource Binder: 0770223052
Math Literature Pack: 999990131X

Copyright: 1994

APPENDIX B: MATHEMATICS K TO 7 • Grade Collections



Interactions (Level 1)

Author(s): Small, M. et al.

General Description:

Activity-based program stimulates mathematical thinking, and helps students become flexible problem solvers and develop positive attitudes toward math. The package comprises a teacher's resource binder, blackline masters, activity cards and booklets.

Cautions:

The special role of zero in addition is only mentioned in passing in the later parts of the resource and is taken for granted whenever addition and subtraction of two-digit numbers is done later in the series.

Measurement contexts are restricted in variety.

There is an inappropriate equating of mass with bigness, ignoring objects that are large in volume or area, but light in mass.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
	✓											

Year Recommended in Grade Collection: 1999

Supplier: *Irwin Publishing*
325 Humber College Blvd.
Toronto, ON M9W 7C3

Tel: (416) 798-0424 **Fax:** (416) 798-1384

Toll Free: 1-800-263-7824

Price: Teacher's Resource Binder \$155.95
Blackline Masters \$38.95
Activity Cards \$42.95

ISBN/Order No: Teacher's Resource Binder 0770223125
Blackline Masters 077022489X
Activity Cards 0770223117

Copyright: 1995



Interactions (Level 2)

Author(s): Small, M. et al.

General Description:

Activity-based program stimulates mathematical thinking, and helps students become flexible problem solvers and develop positive attitudes toward math. The package comprises a teacher's resource binder, blackline masters, activity cards, eight booklets and a math literature pack with big books, small books and audio cassettes.

Cautions:

The treatment of shape and space has some extraneous material (such as standard units for mass) and some omissions (such as the decimetre)

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
		✓										

Year Recommended in Grade Collection: 1999

Supplier: *Irwin Publishing*
325 Humber College Blvd.
Toronto, ON M9W 7C3

Tel: (416) 798-0424 **Fax:** (416) 798-1384

Toll Free: 1-800-263-7824

Price: Teacher's Resource Binder: \$155.95
Activity Cards: \$42.95

ISBN/Order No: Teacher's Resource Binder: 07702-37509
Activity Cards: 0770223257

Copyright: 1994



Interactions (Level 3)

Author(s): Small, M. et al.

General Description:

Activity-based program stimulates mathematical thinking, and helps students become flexible problem solvers and develop positive attitudes toward math. The package comprises a student text, teacher's resource binder and blackline masters.

Cautions:

Activities on decimals and symmetry are extraneous.

The development of outcomes relating to vertical, horizontal and perpendicular lines, congruent objects and shapes and the use of vertical and horizontal lines needs to be supplemented.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
			✓									

Year Recommended in Grade Collection: 1999

Supplier: *Irwin Publishing*
325 Humber College Blvd.
Toronto, ON M9W 7C3

Tel: (416) 798-0424 **Fax:** (416) 798-1384

Toll Free: 1-800-263-7824

Price: Student Text: \$28.95
Teacher's Resource Binder: \$159.95
Masters: \$43.95

ISBN/Order No: Student Text: 0770223389
Teacher's Resource Binder: 0770223397
Masters: 0770225403

Copyright: 1993

APPENDIX B: MATHEMATICS K TO 7 • *Grade Collections*



Interactions (Level 4)

Author(s): Hope, Jack; Small, Marion

General Description:

Activity-based math program helps children develop skills through number sense, spatial sense and problem solving. It is organized around topics of numeration, operations, data management, measurement and geometry. Components comprise a student book and a teacher's resource book. Glossary not included.

Audience: General
Gifted - extension activities

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
				✓								

Year Recommended in Grade Collection: 1999

Supplier: *Irwin Publishing*
325 Humber College Blvd.
Toronto, ON M9W 7C3

Tel: (416) 798-0424 **Fax:** (416) 798-1384

Toll Free: 1-800-263-7824

Price: Student Text: \$29.95
Teacher's Resource Book: \$159.95

ISBN/Order No: Student Text: 07702-2316
Teacher's Resource Book: 07702-23524

Copyright: 1997



Interactions (Level 5)

Author(s): Hope, Jack; Small, Marion

General Description:

Activity-based math program helps children develop skills through number sense, spatial sense and problem solving. It is organized around topics of numeration, operations, data management, measurement and geometry. Components comprise a student book and a teacher's resource book. Glossary not included.

Cautions:

Patterns are treated somewhat superficially.

Audience: General
Gifted - extension activities

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
					✓							

Year Recommended in Grade Collection: 1999

Supplier: *Irwin Publishing*
325 Humber College Blvd.
Toronto, ON M9W 7C3

Tel: (416) 798-0424 **Fax:** (416) 798-1384

Toll Free: 1-800-263-7824

Price: Student Text: \$29.95
Teacher's Resource Book: \$159.95

ISBN/Order No: Student Text: 07702-23648
Teacher's Resource Book: 07702-23656

Copyright: 1997



Interactions (Level 6)

Author(s): Hope, Jack; Small, Marion

General Description:

Activity-based math program helps children develop skills through number sense, spatial sense and problem solving. It is organized around topics of numeration, operations, data management, measurement and geometry. Components comprise a student book and a teacher's resource book. Glossary not included.

Cautions:

The Shape and Space organizer, in particular 3-D Objects and 2-D Shapes, needs supplementing

Audience: General
Gifted - extension activities

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
						✓						

Year Recommended in Grade Collection: 1999

Supplier: *Irwin Publishing*
325 Humber College Blvd.
Toronto, ON M9W 7C3

Tel: (416) 798-0424 **Fax:** (416) 798-1384

Toll Free: 1-800-263-7824

Price: Student Text: \$22.60
Teacher's Resource Book: \$185.40

ISBN/Order No: Student Text: 07702-23753
Teacher's Resource Book: 07702-23761

Copyright: 1997



Interactions (Level 7)

Author(s): Elchuk, L. et al.

General Description:

Resource package comprises a student text and teacher's resource book with accompanying assessment booklet and blackline masters. It provides opportunities to develop mathematical literacy along three dimensions: number sense, spatial sense and problem solving. Includes many learning activities. Requires manipulatives such as algebra tiles and integer discs, as well as suitable software. Glossary not included.

Cautions:

Supplementary material on geometrical transformations is necessary.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
							✓					

Year Recommended in Grade Collection: 1999

Supplier: *Irwin Publishing*
325 Humber College Blvd.
Toronto, ON M9W 7C3

Tel: (416) 798-0424 **Fax:** (416) 798-1384

Toll Free: 1-800-263-7824

Price: Student Textbook: \$40.95
Teacher's Resource Binder: \$160.95

ISBN/Order No: Text: 013258-7998
Teacher's Resource Book: 0132588072

Copyright: 1996



The Intermediate Geoboard

Author(s): Danbrook, C.; Lesage, J.

General Description:

This resource is designed to assist teachers in using the large geoboard with students in Grades 7 to 9. It contains teacher notes, student activity pages, and follow-up activities on how to use the 10x10 pin, 11x11 pin and linking geoboards. Topics include shapes, symmetry, similarity, congruency, area, perimeter, Pythagorean theorem, fractions, percent, Cartesian coordinates and analytic transformation. Provides blackline masters and answers for the activities. Geoboards are not included.

Audience: General

Category: Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
							✓	✓	✓			

Year Recommended in Grade Collection: 1999

Supplier: *Exclusive Educational Products*
243 Saunders Road
Barrie, ON L4N 9A3

Tel: (705) 725-1166 **Fax:** (705) 725-1167

Toll Free: 1-800-563-1166

Web Address: www.exclusiveeducational.ca

Price: \$31.46

ISBN/Order No: Not available

Copyright: 1996



Learn with "Matty" on the Calcu-Mat

General Description:

This resource contains a 132 cm by 152 cm vinyl calculator mat and a student guide. The activities are designed to introduce calculator skills through touching the keys on the mat.

Audience: General
ESL - resource lends itself to language development
LD - hands on tool

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
✓	✓											

Year Recommended in Grade Collection: 1999

Supplier: *Exclusive Educational Products (B.C.)*
3436 West 35th Avenue

Vancouver, BC V6N 2N2

Tel: (604) 266-2261 **Fax:** (604) 266-2287

Toll Free: 1-800-563-1166

Price: \$44.95

ISBN/Order No: Not available

Copyright: 1993



The Learning Equation: Mathematics 7

General Description:

Interactive program for Macintosh or Windows consists of two CD-ROMs, a student refresher and a teacher's guide. All lessons follow the pattern of an introduction, followed by a tutorial example for students, a summary of concepts, practice problems, extra practice and a self check. Students are able to monitor their own progress through the various components of each lesson. Also included on the CD-ROMs is a glossary which students can access as a pull-down menu. The student refresher follows the organization of the CD-ROMs and provides additional examples for students as well as answers. The teacher's manual includes installation notes, instructional summaries, prerequisite skills, and cross-references to the CD-ROMs.

System Requirements:

Macintosh: System 7.1 or later, 8 Mb RAM (16 Mb preferred), VGA 256-colour 14" monitor, 15 Mb or more hard disk space, double speed CD-ROM drive, 8 bit sound support for audio.

Windows 3.1: MPC2 compliant computer, 486SX 25 MHz (50 or better preferred), 8 Mb RAM (16 Mb preferred), VGA 256-colour monitor, 40 Mb hard disk space, double speed CD-ROM drive, SoundBlaster or 100% support for audio.

Windows 95: MPC2 compliant computer, 486SX 66 MHz (Pentium preferred), 16 Mb RAM, VGA 256-colour monitor, 40 Mb hard disk space, double speed CD-ROM drive, SoundBlaster or 100% support for audio.

Windows 98 or NT: MPC2 compliant computer, Pentium 100 MHz (Pentium 133 or faster recommended), 16 Mb or more RAM, VGA 256 colour monitor, 40 Mb or more of free hard disk space, double speed CD drive or better, SoundBlaster or 100% support for audio.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
							✓					

Year Recommended in Grade Collection: 1999

Supplier: *Nelson Thomson Learning*
1120 Birchmount Road
Scarborough, ON M1K 5G4

Tel: (416) 752-9448 **Fax:** (416) 752-8101

Toll Free: 1-800-268-2222/1-800-668-0671

Web Address: www.nelson.com

Price: CD-ROMs 1 and 2, Version 2.0 - \$150.00
Student Refresher - \$10.95
Teacher's Manual - \$87.95

ISBN/Order No: CD-ROMs 1 and 2, Version 2.0 - 017615635
Student Refresher - 017615626
Teacher's Manual - 017615678

Copyright: 1999



Math Discoveries: Grades K-1

General Description:

Three booklets are designed to help students understand concepts through hands-on activities, using geoboards, pattern blocks and tangrams. Provides some problem solving and group work ideas. Includes reproducible student activities, extensions, investigations, teacher notes and sample solutions. Manipulatives are not included with the booklets.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
✓	✓											

Year Recommended in Grade Collection: 1999

Supplier: *Pearson Education Canada*
26 Prince Andrew Place
Don Mills, ON M3C 2T8

Tel: (416) 447-5101 **Fax:** 1-800-563-9196

Toll Free: 1-800-387-8028/7851

Web Address: www.personed.ca

Price: Each book: \$11.60

ISBN/Order No: Math Discoveries with Geoboards: Grades K-1:
1564510867
Math Discoveries with Pattern Blocks: Grades K-1:
1564510883
Math Discoveries with Tangrams: Grades K-1:
1564510891

Copyright: 1994



Math Discoveries: Grades 1-3

General Description:

Three booklets are designed to help students understand concepts through hands-on activities, using attribute blocks, base ten blocks and pentominoes. Provides some problem solving and group work ideas. Includes reproducible student activities and investigations, extensions, teacher notes and sample solutions. Manipulatives are not included with the booklets.

Cautions:

The reading level in *Attribute Blocks* and *Base Ten Blocks* may be too difficult for some students.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
	✓	✓	✓									

Year Recommended in Grade Collection: 1999

Supplier: *Pearson Education Canada*
26 Prince Andrew Place
Don Mills, ON M3C 2T8

Tel: (416) 447-5101 **Fax:** 1-800-563-9196

Toll Free: 1-800-387-8028/7851

Web Address: www.personed.ca

Price: Each book: \$11.60

ISBN/Order No: Math Discoveries with Attribute Blocks: Grades 1-3:
156451076X
Math Discoveries with Base Ten Blocks: Grades 1-3:
1564510786
Math Discoveries with Pentominoes: Grades 1-3:
1564501650

Copyright: 1995



Math Discoveries: Grades 2-3

General Description:

Three booklets are designed to help students understand concepts through hands-on activities, using geoboards, pattern blocks and tangrams. Provides some problem solving and group work ideas. Includes reproducible student activities, extensions, investigations, teacher notes and sample solutions. Manipulatives are not included with the booklets.

Cautions:

Pattern blocks are limited.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
		✓	✓									

Year Recommended in Grade Collection: 1999

Supplier: *Pearson Education Canada*
26 Prince Andrew Place
Don Mills, ON M3C 2T8

Tel: (416) 447-5101 **Fax:** 1-800-563-9196

Toll Free: 1-800-387-8028/7851

Web Address: www.personed.ca

Price: Each book: \$11.60

ISBN/Order No: Math Discoveries with Geoboards: Grades 2-3:
1564510778
Math Discoveries with Pattern Blocks: Grades 2-3:
1564510743
Math Discoveries with Tangrams: Grades 2-3:
1564510751

Copyright: 1994



Math Discoveries: Grades 3-4

General Description:

Four booklets are designed to help students understand concepts through hands-on activities, using a variety of manipulatives. Provides some problem solving and group work ideas. Includes reproducible student explorations and investigations, extensions, teacher notes and sample solutions. Manipulatives are not included with the booklets.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
			✓	✓								

Year Recommended in Grade Collection: 1999

Supplier: *Pearson Education Canada*
26 Prince Andrew Place
Don Mills, ON M3C 2T8

Tel: (416) 447-5101 **Fax:** 1-800-563-9196

Toll Free: 1-800-387-8028/7851

Web Address: www.personed.ca

Price: Each book: \$11.60

ISBN/Order No: Various

Copyright: 1996



Math Discoveries: Grades 5-6

General Description:

Five booklets are designed to help students understand concepts through hands-on activities using a variety of manipulatives. Provides problem solving and group work ideas. Includes reproducible student explorations and investigations, extensions, teacher notes and sample solutions. Some American spelling and references to Imperial measure. Teachers will need to supplement process of estimation. Calculators are used in some activities. Manipulatives are not included with the booklets.

Cautions:

American spelling and use of Imperial measure noted.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
					✓	✓						

Year Recommended in Grade Collection: 1999

Supplier: *Pearson Education Canada*
26 Prince Andrew Place
Don Mills, ON M3C 2T8

Tel: (416) 447-5101 **Fax:** 1-800-563-9196

Toll Free: 1-800-387-8028/7851

Web Address: www.personed.ca

Price: Each book: \$11.60

ISBN/Order No: Various

Copyright: 1996



Math Tools

General Description:

This package is a set of Windows software utilities that can share data. The tools include spreadsheet, calculation, geometry, graphs, manipulatives, fraction strips and probability. A colour linking feature between two or more windows allows data to be shared and represented in a variety of formats. Includes information on installing and using the software and chapters specific to each math tool. Provides a glossary and index.

System Requirements:

Windows 3.1: 386/33 MHz, 4 Mb of RAM, 13" VGA monitor, 2 Mb hard disk space, PKZIP.

Windows 95: 486/50 MHz, 8 Mb of RAM, 13" VGA monitor, 2 Mb hard disk space, PKZIP.

Cautions:

The algebra tile manipulatives have limited usage (first-degree variables only.) The spreadsheet uses radians as units for sine, cosine and tangent calculations.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
				✓	✓	✓	✓					

Year Recommended in Grade Collection: 1999

Supplier: *Pearson Education Canada*
26 Prince Andrew Place
Don Mills, ON M3C 2T8

Tel: (416) 447-5101 **Fax:** 1-800-563-9196

Toll Free: 1-800-387-8028/7851

Web Address: www.personed.ca

Price: \$58.94

ISBN/Order No: 0134109783

Copyright: 1997



MATHPOWER 7, Western Edition

Author(s): Knill, G.

General Description:

Student book, teacher's edition, and blackline masters support the learning of mathematics in various ways. They present concepts and skills in problem-solving contexts. Questions help students express their ideas about math orally and in writing. Uses manipulatives for the understanding of abstract concepts and integrates appropriate technology throughout. The Teacher's Edition contains lesson plans, strategies for reinforcement, extension, enrichment and assessment and masters for materials such as grid and dot paper, number lines, algebra tiles, tangrams, spinners, geometric shapes and nets.

Cautions:

There is insufficient emphasis on estimation and mental mathematics for some students.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
							✓					

Year Recommended in Grade Collection: 1999

Supplier: *McGraw-Hill Ryerson Ltd. (Ontario)*
300 Water Street
Whitby, ON L1N 9B6

Tel: (905) 430-5000 **Fax:** (905) 430-5020

Toll Free: 1-800-565-5758 (orders)

Web Address: www.mcgrawhill.ca

Price: Student Book: \$33.00
Teacher's Edition: \$105.00
Blackline Masters: \$89.25

ISBN/Order No: Student Book: 0075526476
Teacher's Edition: 0075526492
Blackline Masters: 0075526484

Copyright: 1996



Mathville Mindway

General Description:

Software for Macintosh or Windows provides a virtual midway where traditional games of skill and chance are transformed into mathematics activities. There are eight games on the Mindway and students are free to explore any of the games and to choose difficulty levels within each game. Students use problem solving skills related to the four strands of the mathematics program. The activities are engaging and have visual appeal for students.

System Requirements:

Macintosh: System 7 or higher, 8 Mb RAM, 640x480 256 colour monitor, CD drive, sound card.

Windows 3.1: 486/50 MHz, 8 Mb RAM, SVGA 640x480 256 colour monitor, CD drive, sound card.

Windows 95: 486/66 MHz (Pentium 100 MHz recommended), 8 Mb RAM, SVGA 640x480 256 colour monitor, CD drive, sound card.

Cautions:

In the "Magic Doors" game, the doors close very quickly and there may not be sufficient time for students to process information. This resource could be problematic for students with poor hand-eye coordination.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
			✓	✓	✓							

Year Recommended in Grade Collection: 1999

Supplier: *Ingenuity Works*
101, 3738 N Fraser Way
Burnaby, BC V5J 5K8

Tel: (604) 412-1555 **Fax:** (604) 299-2428

Toll Free: 1-800-665-0667

Price: \$56.00

ISBN/Order No: Not available

Copyright: 1996



Mathville VIP

General Description:

Interactive CD-ROM for Macintosh or Windows integrates a broad range of thinking and mathematical skills with everyday life in the multimedia environment of a virtual village. In Mathville each student becomes a Very Important Person by walking, shopping and playing related to the four strands of the mathematics program. Activities are imaginative and engaging for students. The program is flexible and non-competitive and supports different levels of student learning. It is suitable for review at the Grades 7 to 8 levels and for enrichment at Grade 6, using problem-solving skills.

System Requirements:

Macintosh: System 7 or higher, 640x480 colour monitor, 8 Mb hard disk space, CD-ROM drive.

Windows 3.1: 486/50 MHz, 8 Mb RAM, colour monitor, sound and graphics cards, mouse, CD-ROM drive.

Windows 95: 486/66 MHz, 8 Mb RAM, colour monitor, sound and graphics cards, mouse, CD-ROM drive.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
						✓	✓					

Year Recommended in Grade Collection: 1999

Supplier: *Courseware Solutions Inc.*
205 - 99 Hayden Street
Toronto, ON M4Y 3B4

Tel: (416) 925-0234 **Fax:** (416) 925-0234

Web Address: www.mathville.com

Price: \$56.00

ISBN/Order No: 1-89569154-0

Copyright: 1996



Mathworks: Book A

Author(s): Kelleher, H.

General Description:

Activity-based mathematics program comprising a teacher's resource book, blackline masters and two gameboards, builds on the student's world of experience and interests. Focuses on mathematical thinking, reasoning and problem solving, and provides for on-going assessment and evaluation to support diagnostic teaching. Nine units provide theme-based topics.

Cautions:

The development of the following concepts need to be supplemented: -addition and subtraction concepts to 18. The resource covers addition and subtraction to 12.

- concepts on temperature using the sense
- concepts on describing relative position of 3-D objects and 2-D shapes
- concepts on exploring and describing reflection in a mirror
- vocabulary describing statistics and probability (i.e., never, sometimes, always)

Audience: General

- Gifted - extension activities; promotes reasoning skills
- ID (Mild) - provides opportunities for reinforcement

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
	✓											

Year Recommended in Grade Collection: 1999

Supplier: Nelson Thomson Learning
1120 Birchmount Road
Scarborough, ON M1K 5G4

Tel: (416) 752-9448 **Fax:** (416) 752-8101

Toll Free: 1-800-268-2222/1-800-668-0671

Web Address: www.nelson.com

Price: Teacher's Resource Book: \$381.45

ISBN/Order No: Teacher's Resource Book: 0395587913

Copyright: 1992



**Mighty Math Carnival Countdown
(Macintosh / Windows School Version)**

General Description:

Two CD-ROMs for Macintosh and Windows provide five easy-to-use activities on a carnival theme that focus on one- and two-digit addition and subtraction, 2D geometry, patterns, equivalencies, logic, attributes and early multiplication and division. Levelling of activities is easy to access and pre-program for students. The teacher resource manual is user-friendly.

System Requirements:

Macintosh: System 7.0.1 or higher; 68040, 68030 (25 MHz or faster recommended) or PowerPC; 4 Mb RAM (8 Mb recommended); 256 colour, 13-inch or larger monitor; double speed CD drive.

Windows 3.1: 486 (Pentium recommended), hard disk with up to 5 Mb free, 8 Mb RAM, Super VGA graphics, 256 colour 640 x 480 monitor, double speed CD drive, Windows-compatible sound card.

Windows 95: 486 (Pentium recommended), hard disk with up to 5 Mb free, 8 Mb RAM, Super VGA graphics, 256 colour 640 x 480 monitor, double speed CD drive, Windows-compatible sound card.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓										

Year Recommended in Grade Collection: 1999

Supplier: Edmark Corporation
P.O. Box 3218
6727 185th Avenue North East
Redmond, WA 98073-3218

Tel: (425) 556-8400 **Fax:** (425) 556-8430

Toll Free: (800) 426-0856 ex. 8436

Price: \$59.95

ISBN/Order No: 1569262810

Copyright: 1996



Minds on Math 7, Revised Edition

Author(s): Alexander, R.

General Description:

Book provides activities, instruction, discussion, exercises, and projects to engage students in meaningful, real-world mathematics. Each chapter begins with activities and exercises that allow students to assess their prior knowledge before they explore new concepts. Includes teacher's resource book, template and data disk package and activity cards with answer key. Manipulatives such as algebra tiles, integer discs, and suitable software are necessary for using the resource effectively; these are not supplied with the resource. The software package requires either Claris Works or Microsoft Works.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
							✓					

Year Recommended in Grade Collection: 1999

Supplier: Pearson Education Canada
26 Prince Andrew Place
Don Mills, ON M3C 2T8

Tel: (416) 447-5101 **Fax:** 1-800-563-9196

Toll Free: 1-800-387-8028/7851

Web Address: www.personed.ca

Price: Student Text: \$34.92
Teacher's Resource Book: \$111.25
Activity Cards with Answer Key: \$66.75

ISBN/Order No: Student Text: 0201426803
Teacher's Resource Book: 0201426838
Activity Cards with Answer Key: \$66.75

Copyright: 1996



Mirror Symmetry

General Description:

CD-ROM for Macintosh or Windows allows for an extensive exploration of symmetry and related concepts. It includes a wide range of learning activities that span simple to complex applications. The resource promotes independent learning, critical thinking, and connections to real-world situations, and encourages mathematical communication oral and written. Teacher support materials include a teacher guide that has many extension and assessment tasks and a computer component that provides flexible class management options.

System Requirements:

Macintosh: System 7.1 or higher, Macintosh LC II or higher (25 MHz 68030 processor or better), 8 Mb RAM (5 Mb available), 256 colour 13-inch monitor, double speed CD drive, approximately 14 Mb free hard disk space, microphone (built-in or external).
 Windows 3.1: 486/DX2-66 MHz (Pentium recommended), 8 Mb installed RAM, SVGA 256 colour compatible video card and monitor, double speed CD drive, approximately 12 Mb free hard disk space, microphone (built-in or external), SoundBlaster card or equivalent, mouse.
 Windows 95: 486/DX2-66 MHz (Pentium recommended), 8 Mb installed RAM, SVGA 256 colour compatible video card and monitor, double speed CD drive, approximately 12 Mb free hard disk space, microphone (built-in or external), SoundBlaster card or equivalent, mouse.

Audience: General

- ESL - provides opportunities for a wide range of student learning needs
- Gifted - provides opportunities for a wide range of student learning needs
- LD - provides opportunities for a wide range of student learning needs
- ID (Mild) - provides opportunities for a wide range of student learning needs

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
		✓	✓	✓	✓	✓	✓					

Year Recommended in Grade Collection: 1999

Supplier: *McIntyre Media Ltd.*
 75 First St., Suite 203
 Orangeville, ON L9W 5B6

Tel: (519) 942-9640 **Fax:** (519) 942-8489

Toll Free: 1-800-565-3036

Web Address: www.mcintyre.ca

Price: \$99.95

ISBN/Order No: 188861868X

Copyright: 1998



Mosaic Magic: A Toy, Creativity Tool, and Math Teacher All in One

General Description:

Macintosh software package and teacher resource binder allows students to work with tiles on the computer screen in order to recognize patterns, practise reasoning, and classify and locate objects on a grid. Included are project ideas and twenty-three lesson plans containing worksheets and answers.

System Requirements: Macintosh Plus or later; System 6.05 or later.

Cautions:

The friendly bear character providing feedback to responses may be too juvenile for upper elementary students.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
	✓	✓	✓	✓	✓	✓						

Year Recommended in Grade Collection: 1999

Supplier: *Westworld Computers Limited*
 10333 - 170 Street
 Edmonton, AB T5P 4V4

Tel: (780) 454-5190 **Fax:** 1-800-929-5630

Toll Free: 1-888-622-4280

Price: \$68.00 (Single User)

ISBN/Order No: 0789832046

Copyright: 1997



Numbers and Patterns: Investigating Rate, Ratio, and Proportion

Author(s): Montesanto, R.

General Description:

Student text and teacher's guide provide inquiry-based hands-on activities to develop an understanding of numbers and patterns. A series of investigations focus on rate, ratio, proportion, and their use. Guide includes teaching notes, lesson plans, blackline masters and answers.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
							✓					

Year Recommended in Grade Collection: 1999

Supplier: *Nelson Thomson Learning*
 1120 Birchmount Road
 Scarborough, ON M1K 5G4

Tel: (416) 752-9448 **Fax:** (416) 752-8101

Toll Free: 1-800-268-2222/1-800-668-0671

Web Address: www.nelson.com

Price: Text: \$17.65
 Teacher's Guide: \$24.95

ISBN/Order No: Text: 0669954764
 Teacher's Guide: 0669954801

Copyright: 1995



Pre-Algebra Math Blaster Mystery: The Great Brain Robbery - Teacher's Edition

General Description:

This CD-ROM for Windows builds pre-algebra, logical-thinking and problem-solving skills. As students explore the mansion and laboratory of Dr. Dabble, they learn to solve word problems using computations, estimates and proportions; compute with whole numbers, fractions, decimals, integers and rational numbers; apply ratios, proportions and percents; translate mathematical expressions; apply order of operation skills; manipulate positive and negative numbers; create mathematical equations and think logically. The resource has three levels of difficulty and students may choose one of two ways to play: solving the mystery, or playing individual activities. It includes digitized sound effects, music and speech, record-keeping scoreboards and on-line tips for parents. A four-function calculator is always available on the screen.

System Requirements:

Windows 3.1: 486/25 MHz, 4 Mb RAM, Windows-compatible sound accessory, VGA or SVGA card (with 640 x 480 resolution), CD drive (double speed or faster), printer (optional).

Windows 95: 486/50 MHz, 8 Mb RAM, Windows-compatible sound accessory, VGA or SVGA card (with 640 x 480 resolution), CD drive (double speed or faster), printer (optional).

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
							✓					

Year Recommended in Grade Collection: 1999

Supplier: Davidson & Associates, Inc.
19840 Pioneer Avenue
P.O. Box 2961
Torrance, CA 90503

Tel: (310) 793-0600 **Fax:** (310) 793-0601

Toll Free: 1-800-545-7677

Price: \$79.95

ISBN/Order No: 0784904200

Copyright: 1994



Quest 2000: Exploring Mathematics (Grade K)

Author(s): Wortzman, R. et al.

General Description:

Program stimulates students to use mathematics to solve problems, to communicate their mathematical thinking, and to build a lifelong appreciation of and ability to use mathematics in everyday life. Resource package comprises a teacher's guide and journal, student booklets, answer key, transparencies, activity and assessment masters, posters, class journal and a professional handbook. The focus is on engaging students in meaningful activities to build a community of learners; connecting mathematical experiences with other subjects and to the real world; encouraging communication through questioning and reflection about mathematical ideas; and involving families. Assessment is linked to instruction. It presents eight units built around key mathematical ideas with a chart outlining essential understandings, benchmarks, and pacing that summarizes the concepts covered at each grade level. Technology suggestions are included.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
✓												

Year Recommended in Grade Collection: 1999

Supplier: Pearson Education Canada
26 Prince Andrew Place
Don Mills, ON M3C 2T8

Tel: (416) 447-5101 **Fax:** 1-800-563-9196

Toll Free: 1-800-387-8028/7851

Web Address: www.personed.ca

Price: Teacher's Guide: \$120.05

ISBN/Order No: Teacher's Guide and Journal: 0201828545

Copyright: 1995



Quest 2000: Exploring Mathematics (Grade 1)

Author(s): Wortzman, R. et al.

General Description:

Program stimulates students to use mathematics to solve problems, to communicate their mathematical thinking, and to build a lifelong appreciation of and ability to use mathematics in everyday life. Resource package comprises a student book, teacher's guide and journal, extra practice and testing masters, teacher support package, problem of the week transparencies, estimation and mental math activities, activity cards for exploration centres and a professional handbook. The focus is on engaging students in meaningful activities to build a community of learners; connecting mathematical experiences with other subjects and to the real world; encouraging communication through questioning and reflection about mathematical ideas; and involving families. Assessment is linked to instruction. It presents eight units built around key mathematical ideas with a chart outlining essential understandings, benchmarks, and pacing that summarizes the concepts covered at each grade level. Technology suggestions are included.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
	✓											

Year Recommended in Grade Collection: 1999

Supplier: Pearson Education Canada
26 Prince Andrew Place
Don Mills, ON M3C 2T8

Tel: (416) 447-5101 **Fax:** 1-800-563-9196

Toll Free: 1-800-387-8028/7851

Web Address: www.personed.ca

Price: Student Book: \$10.50
Teacher's Guide and Journal: \$105.95

ISBN/Order No: Student Book: 0201552612
Teacher's Guide and Journal: 0201552604

Copyright: 1995



**Quest 2000: Exploring Mathematics
(Grade 2)**

Author(s): Wortzman, R. et al.

General Description:

Program stimulates students to use mathematics to solve problems, to communicate their mathematical thinking, and to build a lifelong appreciation of and ability to use mathematics in everyday life. Resource package comprises a student book, teacher's guide and journal, blackline masters, teacher support package, problem of the week transparencies, estimation and mental math activities, activity cards for exploration centres and a professional handbook. The focus is on engaging students in meaningful activities to build a community of learners, connecting mathematical experiences with other subjects and to the real world, encouraging communication through questioning and reflection about mathematical ideas and involving families. Assessment is linked to instruction.

Cautions:

Outcomes related to measurement should be supplemented.
Images of coins on the blackline masters are of poor quality.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
		✓										

Year Recommended in Grade Collection: 1999

Supplier: *Pearson Education Canada*
26 Prince Andrew Place
Don Mills, ON M3C 2T8

Tel: (416) 447-5101 **Fax:** 1-800-563-9196

Toll Free: 1-800-387-8028/7851

Web Address: www.personed.ca

Price: Student Book: \$10.50
Teacher's Guide and Journal: \$105.95

ISBN/Order No: Student Book: 0201552639
Teacher's Guide and Journal: 0201552647

Copyright: 1996



**Quest 2000: Exploring Mathematics
(Grade 3)**

Author(s): Wortzman, R. et al.

General Description:

Program stimulates students to use mathematics to solve problems, to communicate their mathematical thinking, and to build a lifelong appreciation of and ability to use mathematics in everyday life. Resource package comprises a student book, teacher's guide and journal, practice masters, teacher support package, technology package, problem of the week transparencies, estimation and mental math activities, activity cards for exploration centres and a professional handbook. Focus is on activities.

System Requirements:

Macintosh: System 6.0.5 or higher, 4 Mb RAM, mouse, either ClarisWorks v2.0 or later, or Microsoft Works v3.0 or later.
Windows 3.1: 386/33 MHz, 4 Mb RAM, mouse, either ClarisWorks v1.0 or later, or Microsoft Works v3.0 or later.
Windows 95: 486/50 MHz, 8 Mb RAM, mouse, either ClarisWorks v1.0 or later, or Microsoft Works v3.0 or later.

Cautions:

Outcomes related to measurement should be supplemented.
Images of coins on the blackline masters are of poor quality.
The concepts related to the metric system of measurement are embedded in the student tasks and not made explicit.
Software package requires considerable preparation before use.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
			✓									

Year Recommended in Grade Collection: 1999

Supplier: *Pearson Education Canada*
26 Prince Andrew Place
Don Mills, ON M3C 2T8

Tel: (416) 447-5101 **Fax:** 1-800-563-9196

Toll Free: 1-800-387-8028/7851

Web Address: www.personed.ca

Price: Student Book: \$22.20
Teacher's Guide: \$105.95

ISBN/Order No: Student Book: 0201552663
Teacher's Guide and Journal: 0201552671

Copyright: 1996



**Quest 2000: Exploring Mathematics
(Grade 4)**

General Description:

Program stimulates students to use mathematics to solve problems, to communicate their mathematical thinking, and to build a lifelong appreciation of and ability to use mathematics in everyday life. Resource package comprises a student book, a teacher's guide and journal, solutions manual, practice and testing masters, teacher support package, technology package, problem of the week transparencies, estimation and mental math activities, activity cards for exploration centres and a professional handbook. It focuses on engaging students in meaningful activities to build a community of learners, connecting mathematical experiences with other subjects and to the real world, encouraging communication through questioning and reflection about mathematical ideas, and involving families. Assessment is linked to instruction. Eleven units are built around key mathematical ideas, with a chart outlining essential understandings, benchmarks and pacing that summarizes the concepts taught at each grade level. Technology suggestions are included.

System Requirements:

Macintosh: System 6.0.5 or later, 4 Mb RAM, mouse, either ClarisWorks v2.0 or later, or Microsoft Works v3.0 or later.

Windows 3.1: 386/33 MHz, 4 Mb RAM, mouse, either ClarisWorks v1.0 or later, or Microsoft Works v3.0 or later.

Windows 95: 486/50 MHz, 8 Mb RAM, mouse, either ClarisWorks v1.0 or later, or Microsoft Works v3.0 or later.

Cautions:

Software package requires considerable preparation before use.

Money problems go to \$25 not \$50.

There is some extraneous material on fractions in Unit 6.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
				✓								

Year Recommended in Grade Collection: 1999

Supplier: *Pearson Education Canada*
26 Prince Andrew Place
Don Mills, ON M3C 2T8

Tel: (416) 447-5101 **Fax:** 1-800-563-9196

Toll Free: 1-800-387-8028/7851

Web Address: www.personed.ca

Price: Student Book: \$21.95
Teacher's Guide and Journal: \$99.95

ISBN/Order No: Student Book: 0-201-55269-8
Teacher's Guide and Journal: 0-201-681293

Copyright: 1997



**Quest 2000: Exploring Mathematics
(Grade 5)**

General Description:

Program stimulates students to use mathematics to solve problems, to communicate their mathematical thinking, and to build a lifelong appreciation of and ability to use mathematics in everyday life. Resource package comprises a student book, a teacher's guide and a journal, solutions manual, practice and testing masters, teacher support package, technology package, problem of the week transparencies, estimation and mental math activities, activity cards for exploration centres and a professional handbook. It focuses on engaging students in meaningful activities to build a community of learners, connecting mathematical experiences with other subjects and to the real world, encouraging communication through questioning and reflection about mathematical ideas, and involving families. Assessment is linked to instruction. Eleven units are built around key mathematical ideas, with a chart outlining essential understandings, benchmarks and pacing that summarizes the concepts taught at each grade level. Technology suggestions are included.

System Requirements:

Macintosh: System 6.0.5 or later, 4 Mb RAM, mouse, either ClarisWorks v2.0 or later, or Microsoft Works v3.0 or later.

Windows 3.1: 386/33 MHz, 4 Mb RAM, mouse, either ClarisWorks v1.0 or later, or Microsoft Works v3.0 or later.

Windows 95: 486/50 MHz, 8 Mb RAM, mouse, either ClarisWorks v1.0 or later, or Microsoft Works v3.0 or later.

Cautions:

Outcomes related to the measurement of mass and time and 3-D drawings need to be supplemented.

Mixed numbers and stem-and-leaf plots are extraneous to Grade 5.

Ordered pairs, such as (4,3), are introduced in the context of graphing patterns.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
					✓							

Year Recommended in Grade Collection: 1999

Supplier: *Pearson Education Canada*
26 Prince Andrew Place
Don Mills, ON M3C 2T8

Tel: (416) 447-5101 **Fax:** 1-800-563-9196

Toll Free: 1-800-387-8028/7851

Web Address: www.personed.ca

Price: Student Book: \$21.95
Teacher's Guide & Journal: \$99.95

ISBN/Order No: Student Book: 0-201-55272-8
Teacher's Guide & Journal: 0-201-55273-6

Copyright: 1996



**Quest 2000: Exploring Mathematics
(Grade 6)**

General Description:

Program stimulates students to use mathematics to solve problems, to communicate their mathematical thinking, and to build a lifelong appreciation of and ability to use mathematics in everyday life. Resource package comprises a student book, a teacher's guide and journal, a solutions manual, practice and testing masters, teacher support package, technology package, problem of the week transparencies, estimation and mental math activities, activity cards for exploration centres and a professional handbook. The program focuses on engaging students in meaningful activities to build a community of learners, connecting mathematical experiences with other subjects and to the real world, encouraging communication through questioning and reflection about mathematical ideas, and involving families. Assessment is linked to instruction. Eleven units are built around key mathematical ideas, with a chart outlining essential understandings, benchmarks and pacing that summarizes the concepts taught at each grade level. Technology suggestions are included.

System Requirements:

Macintosh: System 6.0.5 system or later, 4 Mb RAM, mouse, either ClarisWorks v2.0 or higher, or Microsoft Works v3.0 or later.

Windows 3.1: 386/33 MHz, 4 Mb RAM, mouse, either ClarisWorks v1.0 or later, or Microsoft Works v3.0 or later.

Windows 95: 485/50 MHz, 8 Mb RAM, mouse, either ClarisWorks v1.0 or later, or Microsoft Works v3.0 or later.

Cautions:

The outcomes related to geometrical designs, symmetry and motion geometry are not addressed.

Use of ordered pairs, such as (5,7), is confined to the graphing of numerical patterns.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
						✓						

Year Recommended in Grade Collection: 1999

Supplier: *Pearson Education Canada*
26 Prince Andrew Place
Don Mills, ON M3C 2T8

Tel: (416) 447-5101 **Fax:** 1-800-563-9196

Toll Free: 1-800-387-8028/7851

Web Address: www.personed.ca

Price: Student Book: \$21.95
Teacher's Guide & Journal: \$99.95

ISBN/Order No: Student Book: 0-201-55275-2
Teacher's Guide & Journal: 0-201-55276-0

Copyright: 1996



The Show & Tell GeoBoard Collection

Author(s): D'Angela, J.; Lessard, P.

General Description:

Resource binder focusses on hands-on activities using geoboards and geopaper to develop understanding of patterning, counting, two-dimensional figures, slides and flips. Provides project work as well as group and individual assignments. Includes teacher notes, blackline masters and evaluation techniques.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
	✓	✓	✓	✓								

Year Recommended in Grade Collection: 1999

Supplier: *Exclusive Educational Products (B.C.)*
3436 West 35th Avenue

Vancouver, BC V6N 2N2

Tel: (604) 266-2261 **Fax:** (604) 266-2287

Toll Free: 1-800-563-1166

Price: \$31.46

ISBN/Order No: Not available

Copyright: 1992



Solve It Series (Grade 5)

General Description:

Set of eight 15-minute videos illustrate the application of mathematics to a variety of real-life situations. Examples are American and Imperial measure is sometimes used. Accompanying teacher's guide provides pre- and post-viewing questions and activities. Some of the clips are dated, but the main instructional segments remain relevant and accurate.

Cautions:

In the video *Measurement: Precision and Estimation* a girl is shown raising her fist towards her companion.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
					✓							

Year Recommended in Grade Collection: 1999

Supplier: *B.C. Learning Connection Inc.*
#4 - 8755 Ash Street
Vancouver, BC V6P 6T3

Tel: (604) 324-7752 **Fax:** (604) 324-1844

Toll Free: 1-800-884-2366

Price: \$26.00 each

ISBN/Order No: MA0023-MA0030

Copyright: 1987



Statistics: Sampling

General Description:

Within the context of an American junior high school election campaign for president, this fifteen-minute video presents the concept of sampling as a tool for research by examining how a sample group should relate to the larger population being studied. Students learn to question whether a particular sample is representative of the larger population. The director of the Preview House in Hollywood explains how sampling is used to determine the preferences of the U.S. population. Accompanying teacher's guide provides pre- and post-viewing questions and activities. Although somewhat dated, the main instructional segments remain relevant and accurate. Refers to Imperial measure.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
						✓						

Year Recommended in Grade Collection: 1999

Supplier: *B.C. Learning Connection Inc.*
#4 - 8755 Ash Street
Vancouver, BC V6P 6T3

Tel: (604) 324-7752 **Fax:** (604) 324-1844

Toll Free: 1-800-884-2366

Price: \$26.00

ISBN/Order No: MA0022

Copyright: 1987



Statistics Workshop

General Description:

Macintosh software provides a set of computer tools for understanding and exploring fundamental concepts of data analysis. Students can explore the underlying meaning of abstract statistical concepts and processes. Provides an easy-to-use system for entering, manipulating and displaying data. It indicates the mean, median, and mode of the data, as well as quartiles, range and line of best fit, and a variety of statistical measures for each graph. It also contains a spreadsheet of flexible size for entering data and sample data sets that can be used for the analysis of data points. Includes a binder with support materials.

System Requirements: Macintosh Plus or later (Classic or later recommended) 1 Mb RAM.

Cautions:

The resource goes beyond the outcomes of the Protocol framework in some areas, e.g., best-fit lines and scatter plots at the Grade 9 level. Although the software runs on a Mac Plus, screen displays are then inadequate.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
							✓					

Year Recommended in Grade Collection: 1999

Supplier: *Gage Educational Publishing Co. (Scarborough)*
164 Commander Boulevard
Scarborough, ON M1S 3C7

Tel: (416) 293-8464 ext. **Fax:** (416) 293-9009

Toll Free: 1-800-667-1115

Web Address: www.gagelearning.com

Price: \$129.95

ISBN/Order No: Not available

Copyright: 1991



Step Up

Author(s): Morrison, H.; Morrison, B.

General Description:

Resource comprises a set of activities to develop skills and concepts in addition, subtraction, multiplication, division, ordering, comparing and order of operations with integers. Components are a teacher's resource binder with lessons, and an integer manipulative kit with positive and negative integer tiles, laminated circle mats, balloon symbols on clear mylar and an overhead set with acetates and transparent tiles.

Audience: General

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
							✓					

Year Recommended in Grade Collection: 1999

Supplier: *Exclusive Educational Products (B.C.)*
3436 West 35th Avenue

Vancouver, BC V6N 2N2

Tel: (604) 266-2261 **Fax:** (604) 266-2287

Toll Free: 1-800-563-1166

Price: Text: \$80.96
Manipulative Kit: \$98.95

ISBN/Order No: Not available

Copyright: 1995



TesselMania

General Description:

Interactive software for Macintosh or Windows complements and extends the traditional process of cutting and pasting to create tessellations. Students can create complex tessellations electronically by modifying outlines and adding colourful interior details using the tool box. Animated sequences show how tessellations are created. Tessellations can be saved and printed. The teacher resource binder provides a sequence of suggested lesson plans for developing the connections between mathematics and art by using the transformational geometry concepts of translating, tessellating, rotating and reflecting.

System Requirements:

Macintosh: Macintosh LC or later 68020 or higher CPU) capable of reading high-density disks (or with SuperDrive), colour display recommended, System 6.0.7 or later, 2 Mb of RAM, hard drive, 32 bit Quick Draw, printer (optional).
 Windows 3.1: 386/33 MHz (486 recommended), 4 Mb RAM, hard drive with 5 Mb of free disc space, printer (optional).
 Windows 95: 486/50 MHz, 8 Mb RAM, hard drive with 20 Mb of free disc space, printer (optional).

Audience: General
 Gifted - provides opportunities for extension

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
					✓	✓						

Year Recommended in Grade Collection: 1999

Supplier: Core Curriculum Technologies
 101 - 3738 North Fraser Way
 Burnaby, BC V5J 5K8

Tel: (604) 419-1234 **Fax:** (604) 430-8685

Toll Free: not in service

Price: Macintosh: \$49.95
 Windows: \$49.95

ISBN/Order No: Macintosh: 0-792-90776-0
 Windows: 0-792-90896-1

Copyright: 1995



Tick Tock: All About the Clock

General Description:

This 16-minute video discusses how to tell time on various types of clocks. Concepts covered include the functions of the hour, minute and second hands; how to tell time on a digital clock; how the earth and sun influence time and how time was told before the invention of clocks. This resource also explains what hours, minutes and seconds mean.

Audience: General
Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
✓	✓	✓	✓									

Year Recommended in Grade Collection: 1999

Supplier: B.C. Learning Connection Inc.
 #4 - 8755 Ash Street
 Vancouver, BC V6P 6T3

Tel: (604) 324-7752 **Fax:** (604) 324-1844

Toll Free: 1-800-884-2366

Price: \$26.00

ISBN/Order No: MA0020

Copyright: 1992



Triple 'A' Mathematics Program: Data Management & Probability

General Description:

Binder of activities, projects and assessment items for data analysis and probability includes extensive teacher support in terms of suggested teaching strategies, sequencing and scoring rubrics. Activities include both routine calculation and open-ended projects. Some activities involve critical thinking. Provides random number tables, but other manipulatives must be provided by the teacher. There is no discussion of the best-fit line at the Grade 9 level.

Audience: General
Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
							✓					

Year Recommended in Grade Collection: 1999

Supplier: Exclusive Educational Products
 243 Saunders Road
 Barrie, ON L4N 9A3

Tel: (705) 725-1166 **Fax:** (705) 725-1167

Toll Free: 1-800-563-1166

Web Address: www.exclusiveeducational.ca

Price: \$33.26

ISBN/Order No: Not available

Copyright: 1995



Understanding Math Series

General Description:

CD-ROM series for Macintosh or Windows assists students in developing an understanding of mathematics concepts based on a solid foundation of concrete activities. Topics include fractions, integers, exponents, algebra, equations, coordinate geometry and graphing and percent. For each topic the program contains concept sections with explanation, example sections, practice sections and cumulative checks. The user is in control through pull-down menus and proceed and go-back buttons. Each program includes a teacher manual.

System Requirements:

Macintosh: 68020 or faster processor, including Power Macintosh, Macintosh 7.5.1 or later, 40 Mb hard drive space or CD-ROM drive.

Windows: Windows 3.1, Windows 95, Windows NT3.51 or 4.0; 486DX2-66 (Pentium recommended); 640x480 with 256 colour display (or higher); 40 Mb hard drive space or CD-ROM drive.

Cautions:

Some problems may appear while running the software with only the minimum system requirements. Increasing memory partition to 6 Mb avoids graphics problems.

Audience: General

LD - can be used for remediation

Category: Student, Teacher Resource

Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
							✓					

Year Recommended in Grade Collection: 1999

Supplier: *Gage Educational Publishing Co. (Scarborough)*
164 Commander Boulevard
Scarborough, ON M1S 3C7

Tel: (416) 293-8464 ext. **Fax:** (416) 293-9009

Toll Free: 1-800-667-1115

Web Address: www.gagelearning.com

Price: \$79.95 each

ISBN/Order No: Various

Copyright: 1996