



3-D Images

General Description:

Macintosh software enables students to investigate and create geometrical transformations. Using drawing and modifier tools, students draw and then re-form 2-D figures into related 3-D figures. Includes a user's manual and cardboard 3-D glasses.

System Requirements: Macintosh Plus or later; System 6.0.3 or later; 1Mb RAM; colour monitor optional.

Audience:

General
 ESL - minimal language required
 Gifted - visuals allow open-ended exploration and divergent thinking
 LD - visual focus

Category: Student, Teacher Resource

	10	11	12
Applications of Math			
Essentials of Math	✓		
Principles of Math			
Calculus 12			

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: \$132.00

ISBN/Order No: 3194



The ABC's of Personal Finance

Pool; Frick

General Description:

Twenty-five-minute American video emphasizes the importance of financial planning in order to achieve goals. It outlines the importance of budgeting, setting goals and collecting interest as opposed to paying interest. Effects of compound interest versus inflation in money growth are discussed. Teachers will need to develop their own pre- and post-viewing activities.

Audience:

General

Category: Student, Teacher Resource

	10	11	12
Applications of Math			
Essentials of Math	✓	✓	✓
Principles of Math			
Calculus 12			

Supplier: *Jeflyn Media Consultants*

6 Hidden Forest Drive
 Cedar Valley, ON L0G 1E0

Tel: (905) 473-5679

Fax: (905) 473-1408

Toll Free: 1-888-453-3596

Price: Check with Supplier

ISBN/Order No: Not Available

1995



D.I.M.E. Probability Pack A

Giles, G.

General Description:

Set of activity cards features various experiments for exploring probability. Includes dice, disks, a teacher's guide and a chart for recording and graphing results.

Audience:

General

Category: Student, Teacher Resource

	10	11	12
Applications of Math			
Essentials of Math	✓	✓	
Principles of Math			
Calculus 12			

Supplier: *Spectrum Educational Supplies Ltd. (Ontario)*

125 Mary St.
 Aurora, ON L4G 1G3

Tel: (905) 841-0600

Fax: (905) 727-6265

Toll Free: 1-800-668-0600

Price: \$59.50

ISBN/Order No: 17262

1988



D.I.M.E. Probability Pack B

Giles, G.

General Description:

Four sets of activity cards feature experiments to explore probability and problem solving. Also includes sets of beads, a teaching guide and a chart for recording and graphing results.

Audience:

General

Category: Student, Teacher Resource

	10	11	12
Applications of Math			
Essentials of Math	✓		
Principles of Math			
Calculus 12			

Supplier: *Spectrum Educational Supplies Ltd. (Ontario)*

125 Mary St.
Aurora, ON L4G 1G3

Tel: (905) 841-0600

Fax: (905) 727-6265

Toll Free: 1-800-668-0600

Price: \$59.50

ISBN/Order No: 17264

1988



Essentials of Mathematics 10

Baron, C. et al.

General Description:

Student text and accompanying teacher resource book demonstrate how to use mathematics in everyday life. Six text chapters focus on wages, salaries, and expenses; banking services; computer spreadsheets; making sound consumer decisions; creating a three-dimensional model of a structure using geometry and trigonometry skills and using sampling and probability techniques to solve problems. The resource is owned by the Province of BC, and was custom-developed to meet all of the requirements of the Essentials of Mathematics 10 curriculum. The teacher resource book provides strategies for planning, instruction and assessment. An initial distribution of this resource has been distributed to BC school district offices. Additional copies are available from Office Products Centre, Government of BC.

Audience:

General

Category: Student, Teacher Resource

	10	11	12
Applications of Math			
Essentials of Math			
Principles of Math			
Calculus 12			

Supplier: *Office Products Centre, Government of BC*

742 Vanalman Ave.
Victoria, BC V8W 9V7

Tel: (250) 952-4460

Fax: (250) 952-4442

Toll Free: 1-800-282-7955

Web Address: <http://qppubs.qp.gov.bc.ca/qpstore/>

Price: Text: \$35.00
Teacher Resource Book: \$90.00

ISBN/Order No: Text: 0-7726-4675-9/MA1001
Teacher Resource Book: 0-7726-4808-5/MA1002

2001



Essentials of Mathematics 11

Baron, C. et al.

General Description:

Student text demonstrates how to use mathematics in everyday life. Eight chapters focus on income and debt; data analysis; vehicle ownership; measurement technology; representing and interpreting relations; understanding and applying probability; preparing a personal income tax form; creating a business plan. The resource is owned by the Province of BC, and was custom-developed to meet all of the requirements of the Essentials of Mathematics 11 curriculum. An initial distribution of this resource has been sent to BC school district offices. Additional copies are available from Office Products Centre, Government of BC. An accompanying teacher's guide is currently under development. Similar resources have been developed for Essentials of Mathematics 10 and are planned for Essentials of Mathematics 12.

Audience:

General

Category: Student, Teacher Resource

	10	11	12
Applications of Math			
Essentials of Math			
Principles of Math			
Calculus 12			

Supplier: *Office Products Centre, Government of BC*

742 Vanalman Ave.
Victoria, BC V8W 9V7

Tel: (250) 952-4460

Fax: (250) 952-4442

Toll Free: 1-800-282-7955

Web Address: <http://qppubs.qp.gov.bc.ca/qpstore/>

Price: \$35.00

ISBN/Order No: Text: 0-7726-4823-9/MA1101

2002



Exploring Trigonometry with the Geometer's Sketchpad

Shaffer, D.

General Description:

Supplementary blackline activity masters are for use with the software program THE GEOMETER'S SKETCHPAD, which is also recommended. Activities employ traditional geometric construction techniques and modeling, and emphasize the relationships among angles, triangles and circles. Teacher's notes section is included. Accompanying software disks, for Macintosh and Windows, provide sample sketches and scripts.

Audience:

General
Gifted - open-ended explorations

Category: Student, Teacher Resource

	10	11	12
Applications of Math			
Essentials of Math	✓		
Principles of Math			
Calculus 12			

Supplier: *Spectrum Educational Supplies Ltd. (Ontario)*

125 Mary St.
Aurora, ON L4G 1G3

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

Toll Free: 1-800-668-0600

Price: \$65.95

ISBN/Order No: 1-55953-075-8

1995



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, labeling, 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 an 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; 16Mb RAM; CD-ROM drive

Windows: Pentium-based system or equivalent; Windows 95 or NT 4.0 or later; 16Mb Ram; CD-ROM drive

Audience:

General

Category: Student, Teacher Resource

	10	11	12
Applications of Math	✓	✓	
Essentials of Math	✓		
Principles of Math	✓	✓	
Calculus 12			

Supplier: *Spectrum Educational Supplies Ltd. (BC)*

2102 Elspeth Place
Port Coquitlam, BC V3C 1G3

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

Price: User Lab Pack: Various

ISBN/Order No: Various

2001



Green Globes & Graphing Equations

General Description:

User-friendly software for Macintosh or Windows graphs different forms of linear, quadratic, polynomial, and trigonometric relations. A second program provides a graph and requires the student to enter the equation. There are also two games that act as motivational tools. Five graphs can be displayed simultaneously. The accompanying teacher's guide provides ideas and worksheets.

System Requirements:

Macintosh: System 6.0.5 or higher (System 7 recommended), 1Mb RAM.
 Windows 3.1: Windows 3.1, 486/25 MHz or better, 2Mb RAM; 256 colour monitor.
 Windows 95: 486DX/50 MHz or higher (Pentium recommended), 4Mb RAM, 256 colour monitor.

Audience:

General

Category: Student, Teacher Resource

	10	11	12
Applications of Math	✓		
Essentials of Math		✓	✓
Principles of Math	✓	✓	✓
Calculus 12			

Supplier: Gage Learning Corporation

164 Commander Boulevard
 Toronto, 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 each version

ISBN/Order No: Not available

1996



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. In the teacher's guide there are follow-up activities relating to starting and running a business.

System Requirements:

Macintosh: System 7.0 or later; 68040 or later processor; Mb RAM; 31Mb hard drive space; double speed CD-ROM drive; and 640x480, 256 colour monitor.
 Windows: Windows 3.1 or Windows 95, 8Mb RAM, 30Mb hard drive, double speed CD-ROM drive, 640x480 256 colour monitor.

Audience:

General

Category: Student, Teacher Resource

	10	11	12
Applications of Math			
Essentials of Math	✓	✓	
Principles of Math			
Calculus 12			

Supplier: Gage Learning Corporation

164 Commander Boulevard
 Toronto, 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

1996



Math Projects: Organization, Implementation, and Assessment

DeMeulemeester, K.

General Description:

Resource uses specific examples to explain how to organize student projects. The book describes nine different presentation formats: videos, skits, photo albums, graphics portfolios, class books, games, posters, models and business presentations.

Audience:

General

Category: Teacher Resource

	10	11	12
Applications of Math			
Essentials of Math	✓	✓	
Principles of Math			
Calculus 12			

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.pearsoned.ca

Price: \$18.15

ISBN/Order No: 0-86651-836-3



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, 4Mb of RAM, 13" VGA monitor, 2Mb hard disk space, PKZIP.

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

Audience:

General

Category: Student, Teacher Resource

	10	11	12
Applications of Math			
Essentials of Math	✓	✓	✓
Principles of Math			
Calculus 12			

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.pearsoned.ca

Price: \$58.94

ISBN/Order No: 0134109783

1997



**The Multicultural Math Classroom:
Bringing in the World**

General Description:

Book introduces a multicultural perspective to elementary and middle grade mathematics, revealing how such a perspective can enrich the learning of all students, whatever their gender, ethnic/racial heritage, or socioeconomic status. Students learn that mathematics was created by real people attempting to solve real problems. The collection of open-ended activities addresses a range of mathematical topics and cultural connections, and promotes problem solving and critical and creative thinking.

Audience:

General

Category: Teacher Resource

	10	11	12
Applications of Math			
Essentials of Math		✓	
Principles of Math			
Calculus 12			

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: \$38.04

ISBN/Order No: 0435083732

1996



Probability Constructor

General Description:

Interactive Macintosh computer program allows students to conduct probability experiments using six models: coins, dice, marbles in a jar, spinners, random digits and plotting random points in areas of a plane. Accompanying manual provides opportunities for further exploration.

System Requirements: 4Mb RAM; 13" colour monitor; System 7.0 or higher. A Windows version is available, but was not evaluated.

Audience:

General

Category: Student, Teacher Resource

	10	11	12
Applications of Math			
Essentials of Math	✓	✓	
Principles of Math			
Calculus 12			

Supplier: *Tangent Scientific Supply Inc.*

23 Hannover Drive, Unit 2
St. Catherines, ON L2W 1A3

Tel: (905) 704-1500

Fax: (905) 704-1555

Toll Free: 1-800-363-2908

Price: \$199.00

ISBN/Order No: 1-57527-023-4

1994



Problem Solving: What You Do When You Don't Know What To Do

Jones, G.

General Description:

Binder describes the processes and strategies used to solve problems, including trial and error, making a drawing or sketch, logical thinking, finding a pattern, working backward, elimination and making a list. Explains each strategy and includes over 200 challenging activities.

Audience:

General
Gifted - opportunities for critical thinking

Category: Teacher Resource

	10	11	12
Applications of Math			
Essentials of Math	✓	✓	✓
Principles of Math			
Calculus 12			

Supplier: *Exclusive Educational Products (Ontario)*

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

1991



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) 1Mb RAM.

Audience:

General

Category: Student, Teacher Resource

	10	11	12
Applications of Math			
Essentials of Math		✓	
Principles of Math			
Calculus 12			

Supplier: *Gage Learning Corporation*

164 Commander Boulevard
Toronto, 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

1991



Triple 'A' Mathematics Program: Data Management & Probability

Birse, J. et al.

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

	10	11	12
Applications of Math			
Essentials of Math	✓	✓	
Principles of Math			
Calculus 12			

Supplier: *Exclusive Educational Products (Ontario)*

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

1995



**What If ...?: The Straight Line:
Investigations with the TI-81 Graphics
Calculator**

Alexander, B.

General Description:

This resource explores the straight line, dependent upon using the TI-81 graphics calculator. It shows students how to plot linear equations, how to make changes to the variable, and uses the question "what if ...?" to pose multiple problems within a single context. Students are encouraged to compare their answers and to predict outcomes. Does not cover line of best fit.

Audience:

General

Category: Student, Teacher Resource

	10	11	12
Applications of Math	✓	✓	
Essentials of Math		✓	✓
Principles of Math	✓	✓	
Calculus 12			

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.pearsoned.ca

Price: \$12.30

ISBN/Order No: 0969698100

1993



**What If ...?: The Straight Line:
Investigations with the TI-82 Graphics
Calculator**

Alexander, B.

General Description:

This resource explores the straight line, dependent upon using the TI-82 graphics calculator. It shows students how to plot linear equations, how to make changes to the variable, and uses the question "what if ...?" to pose multiple problems within a single context. Students are encouraged to compare their answers and to predict outcomes. This resource also introduces the concept of the line of best fit.

Audience:

General

Category: Student, Teacher Resource

	10	11	12
Applications of Math	✓	✓	
Essentials of Math		✓	✓
Principles of Math	✓		
Calculus 12			

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.pearsoned.ca

Price: \$12.30

ISBN/Order No: 0969698135

1994