



# Tech Info Library

## Math Education Bundle: Description (10/96)

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TOPIC -----

This article contains a description of the Apple Education Series: Math Grades 5-8 Bundle.

DISCUSSION -----

When schools put computers on students' desktops, the teachers and students both benefit. Now Apple has made that easier to do.

The Apple Education Series Math: Grades 5-8 Bundle provides a Macintosh computer and the Math: Grades 5-8 Kit--a collection of some of the most useful math software available. The kit offers students a rich set of software programs and learning options that are engaging, interactive, and fun. Each program emphasizes different aspects of math, from problem solving to probability, allowing students more participation than ever in a math class.

The National Council of Teachers of Mathematics has been looking for innovative methods to teach new priorities in math. In the Math Kit, you'll discover some of those new methods. The software and curriculum materials were specifically chosen to fill the gap in accessible math software for grades 5-8. Each program supports the standards set by the NCTM.

The Math: Grades 5-8 Kit--the perfect complement for computers in the math class.

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More Choices, More Flexibility

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Now, when you order a Macintosh computer with the Teacher Solution Kit, you may also order two other Apple Education Series kits.

It's as easy as 1-2-3.

1. Select a computer. Order the featured solution--which includes a Power Macintosh 5260/120 and the kit--or choose one of the other computers listed below and order the computer and kit separately. Refer to the computer data sheets for more details. Refer to the computer data sheets for more details.
2. Choose two other kits. If you wish to order additional Apple Education Series kits, you can find out what's available on the Education Price List and review

the contents on their respective data sheets.

3. Purchase everything at once. The Macintosh computer and up to three kits must all appear on the same purchase order.

#### Computer Options

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Power Macintosh 5260/120 (featured computer)

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Equipped with 16 MB of RAM, built-in 14-inch color display, 1.2 GB hard disk drive, 8x-speed CD-ROM drive, stereo speakers and microphone, AppleDesign Keyboard, and mouse.

Power Macintosh 5400/180

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Equipped with 16 MB of RAM, built-in tilt-and-swivel 15-inch color multiple-scan display, 1.2 GB hard disk drive, 8x-speed CD-ROM drive, Ethernet networking, video-input/output, stereo speakers and microphone, AppleDesign Keyboard, and mouse; includes a PCI expansion slot.

Power Macintosh 6400/200

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Equipped with 16 MB of RAM, 256K level 2 cache, 2.4 GB hard disk drive, 8x-speed CD-ROM drive, Ethernet networking, microphone, AppleDesign Keyboard, and mouse; includes two 7-inch PCI expansion slots; supports 16-bit color for display of up to 32,768 colors on a variety of monitors. (Monitor is sold separately.)

#### Math: Grades 5-8 Kit

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\* Building Perspective from Sunburst Communications, Inc.

A challenging activity of spatial perception in which students examine buildings of different heights viewed from the side. Then they must determine the top view of an entire block of buildings based on their ground-level observations.

\* Divide and Conquer from Sunburst Communications, Inc.

A code-breaking activity in which letters stand for the numbers 0-9. The computer calculates the quotient and remainder, but the answers are in code and the students must crack the code. Students must find clues in patterns, form hypotheses, reason logically, and exchange opinions about numerical relationships, place-value notations, and unknowns.

\* Measurement in Motion from Learning in Motion

Students investigate relationships between points, lines, angles, areas, and time. Using QuickTime technology and easy-to-use measurement tools, they can analyze movies of their own or use the ones that are included. Students create points, lines, angles, areas, and numerical data on each changing frame of the movie display. Students can display information in numeric tables, line graphs, bar charts, histograms, or scatter plots.

\* Probability Constructor from LOGAL

Students perform many different probability experiments by working with six familiar models instead of relying solely on abstract numbers and symbols.

By controlling and observing colorful animations, students experiment with the laws of probability, choosing marbles from a jar, tossing coins, rolling dice, spinning color wheels, generating random digits, and using an area model. The results of each experiment are then translated to graphs, tables, or Venn-like diagrams for easy analysis. By analyzing the data, students learn about probability concepts such as the difference between experimental and theoretical probability, relationships between frequency and outcome of events, and the law of large numbers.

\* TesselMania! from MECC

A creative tool that reveals the important connections between math and the graphic arts. Students use this program to generate their own tessellations, explore transformational geometry, and examine pattern symmetry. The program's special tools allow students to add color, letters, numbers, and facial features and even animate the construction of their designs. The result is a greater appreciation for math's role in the arts—and some M.C. Escher-inspired art to hang on the refrigerator at home.

\* ClarisWorks from Claris Corporation

An award-winning product that combines word processing, database, spreadsheet, graphics, presentation, and communications software in one familiar, efficient environment. With 25 drawing and painting tools, 12 types of charts, and 100 built-in calculations, students can easily create memos, lab reports, news-letters, room layouts, charts, graphs, and reports.

Ordering Information

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Math: Grades 5-8 Bundle (Featured solution)

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Includes Power Macintosh 5260/120 and Math: Grades 5-8 Kit—a convenient way to order a hardware/software combination with a single part number.

Without CPU setup: B2820LL/C

With CPU setup: B2821LL/C

Math: Grades 5-8 Kit

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Order No.: T1175LL/F

May be purchased only with a computer.

Power Macintosh 5400/180

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Without setup: M5162LL/A

With setup: B2766LL/D

Power Macintosh 6400/200

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Without setup: M5427LL/A

With setup: B3043LL/A

Monitor is sold separately.

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