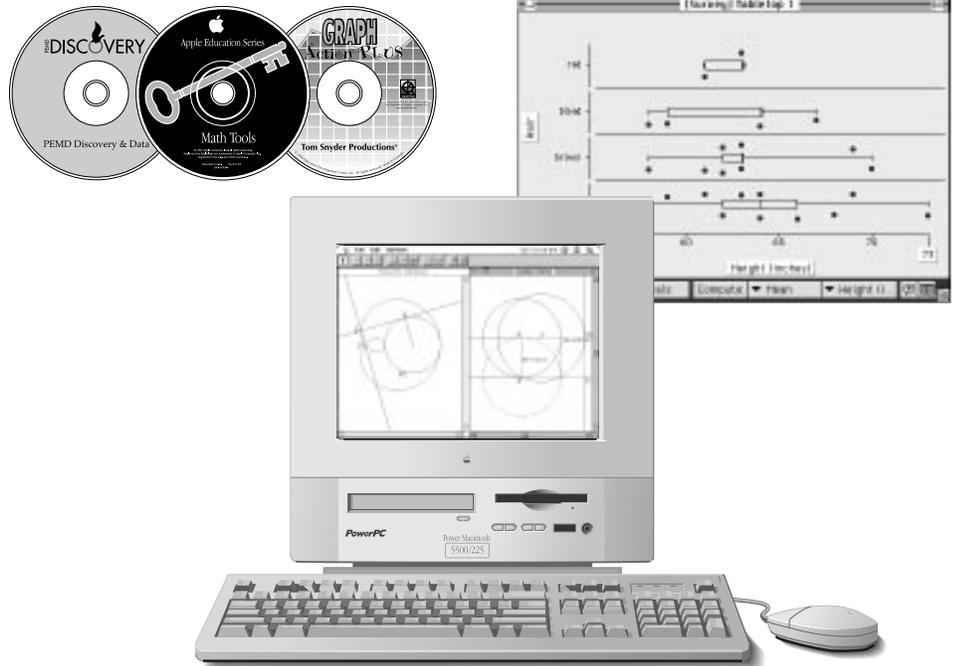**Supporting learning across a variety of topics in secondary mathematics**

Math Tools

A comprehensive collection of software, resources, and curriculum materials, Math Tools enables teachers to enhance traditional instruction by providing new ways of interacting with mathematics content.

The Math Tools Bundle—the featured solution—combines a Power Macintosh 5500/225 computer with the Math Tools Kit, a collection of powerful software tools and teacher resources. Other computer options are also available.

Teachers have used technology to support mathematics instruction since the earliest days of the personal computer. With today's advances in computer processing speed and storage, innovative software tools offer new ways to explore, learn, and apply mathematics. Now Apple has made it easier for teachers to use these tools with students.

The Apple Education Series: Math Tools Bundle provides a Power Macintosh® computer and the Math Tools Kit—an integrated collection of software and resources for the secondary mathematics classroom. The kit includes simulation, construction, and modeling software. It also features software programs that enable students to generate, collect, analyze, and represent data—and to present their findings in

various ways. Together, these products support learning in a variety of secondary mathematics topic areas, including numeric problem solving, geometry, algebra, patterns and functions, trigonometry, statistics, probability, discrete math, and computer science. In addition, these tools work well together and provide relevant experiences that are transferable to powerful tools used in the world outside of school.

The Math Tools Kit includes tutorials, reference manuals, more than 100 student activities, and nine Units of Practice. Each Unit of Practice, Apple's research-based framework for integrating technology in the classroom, is designed around a particular mathematics activity and one or more software tools.

Apple Education

More Choices, More Flexibility

When you order a Macintosh® computer with the Math Tools 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 5500/225 and the kit—or choose one of the other computers mentioned below and order the computer and kit separately. 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

This Apple Education Series kit can be purchased with the Power Macintosh 5500 or 6500 series computers, or the PowerBook® 1400 series computers with CD-ROM drives. *Refer to the respective data sheets for details.*

—— *Featured Computer* ——
Power Macintosh 5500/225
Powered by a 225-MHz PowerPC™ 603e processor, equipped with 32MB of RAM, 256K level 2 cache, built-in tilt-and-swivel 15-inch (12.8-inch diagonal viewable image size) multiple-scan color display, 2GB hard disk drive, 24x-speed CD-ROM drive, one PCI expansion slot (7-inch), Ethernet networking, stereo speakers and microphone, keyboard, and mouse.

You can locate Education data sheets on our web site at http://education.apple.com/ or request them to be faxed to you by calling 1-800-800-APPL (2775).

Math Tools Kit

Software

Cabri Geometry II from Texas Instruments Incorporated
Provides an integrated, interactive construction environment for Euclidean, transformational, and analytic geometries. Enables students to construct objects, test hypotheses, take measurements, and perform calculations.

Tabletop from Brøderbund Software, Inc.
Offers students a visual tool for storing, graphing, and analyzing numerical and categorical data. Represents data as animated icons that move as students change the graph constraints.

Graphing Calculator from Apple Computer, Inc.
Graphs 2D functions, inequalities, and 3D surfaces. Allows users to manipulate symbolic expressions via keyboard commands or the mouse. (Graphing Calculator is preinstalled on the Power Macintosh.) The Math Tools Kit also includes *Introducing Dynamic Algebra with NuCalc,* a book specifically written to introduce and explore the capabilities of Graphing Calculator.

Graph Action Plus from Tom Snyder Productions, Inc.
Provides environments in which students can explore the relationships between moving objects and distance/time graphs. Enables students to create motion sequences with animated graphics and view their corresponding graphs. Builds graphs of real-world motions from QuickTime® movies.

Spreadsheet 2000 from Casady & Greene, Inc.
Offers a visual, object-based alternative to traditional spreadsheets for solving numeric problems. Allows students to create calculations by connecting objects and operators rather than by typing command sequences.

Prob Sim from Intellimation, Inc.
Allows students to create animated simulations to explore probability situations. Offers a variety of sample-space elements and sampling parameters. Uses variables and wild-card characters to specify complex events.

PEMD Discovery & Data from PEMD Education Group Ltd.
Contains over 20,000 pages of environmental, demographic, and social data from U.S. government and U.N. agencies. Also includes flexible line-graphing tool that enables students to detect patterns, trends, and relationships. Data can be transferred to other tools for further analysis.

HyperCard® from Apple Computer, Inc.
Offers students a way to create nonlinear presentations that can include text, graphics, and QuickTime movies. Provides various "button tasks" so students can customize projects without writing scripts. Includes HyperTalk®, a powerful scripting language, so students can gain more control of their projects.

ClarisWorks® from Claris Corporation
Provides an integrated suite of tools that includes traditional spreadsheet, word processor, database, drawing, painting, and communications. Enables users to create on-screen slide-shows.

TI-GRAPH Link from Texas Instruments Incorporated
Enables students to transfer information between a TI calculator and a Macintosh computer.

Tutorials, Curriculum, and Other Materials

Tutorials
Easy-to-follow tutorials or guided tours are provided to acquaint students with the basic features of each tool.

Curriculum
Includes more than 100 activities from the software publishers as well as nine Units of Practice—Apple's research-based framework that helps teachers integrate technology into their instructional practice. Also includes product overviews and step-by-step instructions for transferring data and screen displays across applications.

Software Documentation
Reference manuals and quick reference materials are provided for the software in the kit.

Internet Resources   New!

Out of the Box and Onto the Net
A 25-page booklet that discusses the ways in which the Internet enhances teaching and learning. It provides teaching ideas and resources for using the Internet in the classroom and describes the built-in features of Mac® OS 8 that enable you to get started using your Internet connection "right out of the box" (modem and Internet account required).

Ordering Information

—— *Featured Solution* ——
Math Tools Bundle
Includes a Power Macintosh 5500/225 and a Math Tools Kit—a convenient way to order the combination with a single part number.

Without CPU setup:	B3426LL/B	$1,999
With CPU setup:	B3427LL/B	$2,059

Math Tools Kit
Order No./Price:	T2028LL/C	$300

May be purchased only with a Power Macintosh 5500 or 6500 series computer, or a PowerBook 1400 series computer with a CD-ROM drive.

For information about Apple Education products, programs, and services, call **1-800-800-APPL (2775)** or visit us on the Internet at **http://education.apple.com/**