Apple Education Series

Middle School Connections: Math & Science

Designed specifically to meet the needs of middle schools, this kit brings the latest developments in learning technology to your classroom. It provides engaging materials that help integrate technology into your curriculum in ways that are meaningful and motivating to students.

The kit's software programs take students on adventures from the labs of the greatest inventors in history, across the solar system, and into the mathematical underpinnings of bicycle racing. The software combines exciting simulations with real-world math and science problems. The Student Desktop Tools software provides the presentation, productivity, and reference tools for students to conduct research and present their work.

Also included are thematic-based student projects for each curriculum area, mapped to current curriculum standards. The projects share the same topics for each subject area, and therefore can serve as focal points for cross-curricular learning. A companion product is also available for the areas of language arts and social studies.

Math Software

Data Explorer v1.0, Sunburst Communications
Students begin by forming questions into a survey, then collect and organize data, and display data using 11 different types of customizable graphs. They learn to choose and build tools to help them analyze the data and make predictions.

Math at Work Series: Gearing Up v1.0,
Cord Communications
Before the race, students use geometry to build a bicycle course. They then calculate and select gear ratios for the team's bike. Students can race against the computer, or on a network against each other. On-screen help is provided by experienced cyclists, bike mechanics, and civil engineers.

Mighty Math: Astro Algebra v1.0, Edmark
Designed specifically for middle schools, this software introduces and reinforces algebra and pre-algebra concepts such as variables, inverse operations, and equivalent expressions. Each student becomes captain of a spaceship with algebra-related missions to complete, helping make the connection between concrete and abstract math concepts.

Mighty Math: Cosmic Geometry v1.0, Edmark
Students visit Planet Geometry, where polyhedral characters guide them through geometry concepts such as surface area, volume, 2-D and 3-D coordinates, and construction. Problems automatically increase in difficulty as students progress through the program.

An Odyssey of Discovery: CampOS Math v1.0,
Pierian Spring Software
This software helps students explore fractions and number theory. Using 3-D interactive devices, students compare and reduce fractions, explore the relationship between numerator and denominator, and define and classify real numbers.

PrimeTime Math Stakeout! v1.0,
Tom Snyder Productions
Students observe an exciting story of detectives investigating a rash of burglaries at local comic book stores. They work together to solve math problems posed by the story. Topics include mean values, percentages, and ranges; using statistics to establish patterns; and charts and tables.

Science Software

BioLab: Frog v3.0, Pierian Spring Software
Students participate in a simulated frog dissection, viewing and removing organs. They use text, microscopic pictures, and videos to learn more about the locations, structure, and function of the frog's organs.

Everything Weather, The Weather Channel and Sunburst Communications
Multimedia elements present weather concepts and climate data for cities around the world. Students receive detailed information on weather patterns such as hurricanes, thunderstorms, tornadoes, winter storms, and clouds.

A Field Trip to the Sky v1.0,
Sunburst Communications
Students travel to the nine planets, the moon, and the sun. Each celestial body includes a field guide with pictures and details, including chemical composition, orbit, rotation, and even historical observations. A solar system game is also included.

InventorLabs Technology v1.0,
Houghton Mifflin Interactive
Bring your students into the laboratories of James Watt, Alexander Graham Bell, and Thomas Edison, where they can examine the objects in the labs, meet the inventors, and perform experiments related to their inventions.

An Odyssey of Discovery: Science v1.0,
Pierian Spring Software
Students explore a science building with activities in life science, physical science, and earth and space science. These activities develop students' reasoning and problem-solving skills while building confidence and enthusiasm for science.

Rainforest Researchers v1.0,
Tom Snyder Productions
Working in teams, students collaborate in an engaging multimedia field trip deep into the rain forest. They take on the roles of an ecologist, an ethnobotanist, a taxonomist, and a chemist as they complete two challenging assignments that involve rain forest plants.

Science Court: Work & Simple Machines v1.0, Tom Snyder Productions
Students participate in a courtroom drama involving the definitions of work, simple machines, and mechanical advantage. They learn to review facts, perform experiments, and make predictions about what will happen next in the trial.

The Ultimate Human Body v2.0, DK Multimedia
Students can study human body systems in 3-D, watch animations that illustrate organ functions, zoom in on different body parts, and see videos of activities such as DNA replication and blood circulation.

ClarisWorks Templates for Middle School, Apple
ClarisWorks templates are provided to help you implement the student projects in the kit. The templates can be used as is or customized.

Student Desktop Tools Software

ClarisWorks v5.0, Apple
ClarisWorks combines word processing, database, spreadsheet, graphics, presentation, and telecommunications software in one efficient environment. Students can even create documents that combine these document types—for example, a report that contains text, graphics, and charts made from information in a spreadsheet.

TimeLiner Collection v4.0, Tom Snyder Productions
TimeLiner helps students create and modify different kinds of timelines. It can chronicle broad topics, such as historical events and geological formations, or examine milestones in students' lives with daily, weekly, and yearlong timelines. It includes 17 collections of timelines on topics such as American history, science and technology, and world history.

Claris Home Page v2.0, FileMaker
Claris Home Page lets your students create dynamic web pages and whole web sites—with ease. Students use familiar tools and commands to format text and graphics and create links between pages. It also offers advanced features such as frames, libraries, and the ability to edit HTML source code.

HyperStudio v3.1, Roger Wagner Publishing
Your students can use this multimedia authoring software to create projects and presentations that include text, pictures, movies, animation, and sound. They can import and edit graphics and QuickTime movies and create links to Internet sites without using a browser.

Grolier Multimedia Encyclopedia v10.0, Mindscape
Put the combined resources of a 21-volume encyclopedia with the impact of video and animation at your students' fingertips. Includes search tools that allow students to explore pictures, video clips, sounds, interactive timelines, maps, and speeches.

Microsoft Bookshelf 98, Microsoft
Microsoft Bookshelf 98 provides encyclopedias, dictionaries, quotations, a thesaurus, an almanac, a chronology, an atlas, a post office directory, and a directory of Internet sites. These resources include a wide variety of images and text that students can copy and paste into their own projects.

Teacher Support Materials

This kit includes separate teacher's guides for math and science. Each guide includes tips on getting started, classroom management strategies, and home/school connections, and six comprehensive student projects, which are mapped to curriculum standards. Software user's guides and teacher's guides are included. Also includes the "Out of the Box and Onto the 'Net" booklet.

Staff Development

Apple offers training kits, workshops, and planning guides to help schools create and implement technology staff development. For more information, call 1-800-800-APPL (2775).

Ordering Information

Middle School Connections: Math & Science Bundle
Includes a Power Macintosh 5500/225, a Math & Science Kit, and a Student Desktop Tools Kit. Call 1-800-800-APPL (2775) for part number information.

With extended service and CPU setup	➤ **$2,188**
With extended service only	➤ **$2,128**
With CPU setup only	➤ **$2,059**
With neither extended service nor setup	➤ **$1,999**

Middle School Connections: Math & Science Kit
Includes a Student Desktop Tools Kit. ➤ **$300**

Note: Can be purchased only with a computer. Student Desktop Tools software is required to complete the student projects in the Math & Science Kit.

For information, call
1-800-800-APPL (2775)
or visit us on the Internet at
http://www.apple.com/education