



Meeting Teachers' Needs in Mathematics

Count on our courses to produce results

Mathematical concepts are part of our everyday lives. Motivate students to learn these basic skills by preparing lessons that stimulate young minds. With PBS TeacherLine®, you can learn proven methods to increase students' aptitude.

PBS is known for superior programming that both informs and inspires. That's why teachers like you nationwide turn to PBS TeacherLine for high-quality, research-based courses.

With PBS TeacherLine, the premier professional development resource, you gain access to more than 30 online Mathematics courses for PreK–12 teachers and instructional coaches. Certified facilitators lead top-quality, interactive six-week programs.

Our Courses Incorporate NCTM's Content Standards

NUMBER AND OPERATIONS Help children understand numbers and operations, as well as develop “number sense” and computational fluency. Enrich your lessons with technological manipulatives and incorporate Web resources. Explore the role of “mental arithmetic,” as well as the concepts of counting and proportional reasoning.

ALGEBRA Gain in-depth knowledge of patterns, relations, and functions, as well as innovative strategies for developing effective lessons. Show students how to use algebraic symbols and mathematical models. Lay the foundation for algebraic thinking from as early as first grade.

GEOMETRY Develop students' analytical skills, as well as their use of visualization, spatial reasoning, and geometric modeling for solving problems. Enrich students' learning experience through Internet-based approaches that increase their comprehension.

MEASUREMENT Pique students' curiosity about the measurable attributes of objects; units and systems of measurement; and ways to take measurements. Create innovative lessons on surface area and volume that relate to students' everyday world.

DATA ANALYSIS AND PROBABILITY Provide students with the basis of statistical reasoning by teaching them how to formulate questions, collect data, and conduct analysis to discover the answers. Help students represent and understand data with spreadsheets, as well as gain insights into making comparisons and predictions.

Relevant, Accessible, Affordable

Teachers give our courses an A+ because PBS TeacherLine

- **OFFERS ACCESSIBILITY, FLEXIBILITY, AND AFFORDABILITY:** Learning online is easy, even for “first-timers,” thanks to our responsive facilitators and help desk staff. You'll appreciate the flexibility of connecting via the Internet whenever and wherever it's convenient during each six-week course. And, these exceptional courses are affordable, thanks to a grant from the U.S. Department of Education.
- **LEADS TO PROFESSIONAL RECOGNITION:** You'll earn graduate credits, and Professional Development Points (PDPs) or Continuing Education Units (CEUs).
- **SUPPORTS COLLABORATIVE LEARNING:** Trained facilitators guide discussions and provide valuable feedback. Interactive learning creates a support system among colleagues, across the state and across the nation, for sharing strategies and insights.

Need more information? Please visit www.pbs.org/teacherline, or call **800-572-6386** for course descriptions, schedules, and registration details.

Be more inspired

The screenshot shows the PBS TeacherLine website interface. At the top, there are navigation tabs for 'Course Home', 'Content', and 'Discussions'. Below this is a sidebar with 'Administration Tools' including links for 'Click this link to access the administration page.', 'Before You Begin', and 'Bookmark'. The main content area is titled 'MATH 180' and features a 'Welcome!!' message with an image of students. Below the welcome message is a section titled 'Math in Everyday Life for Grades K-5' with a brief description of the course content.



Meeting Districts' Needs in Mathematics

Develop a plan for effective instruction in each grade

Teachers who can clearly convey Mathematics concepts—from fundamental to advanced—provide students with essential skills that we use daily. With PBS TeacherLine® as your ally, teachers gain leading-edge strategies for all ability levels.

Administrators trust PBS to deliver high-quality, research-based content. By partnering with PBS TeacherLine, you can provide your teachers with exceptional courses while achieving your district's strategic goals.

PBS TeacherLine is the premier professional development resource offering online courses for PreK–12 teachers. Trained, certified facilitators lead more than 90 top-quality, six-week courses that span the entire curriculum.

Enrich Classroom Practices, While Addressing Standards

You can customize a professional development program to meet your district's Mathematics objectives. Our breadth of topics and flexibility give you the option to provide teachers with individual courses or an entire series.

PBS TeacherLine's coursework addresses *NCLB* requirements and heightened expectations for highly qualified teachers who know and apply research-based strategies.

Our Mathematics courses follow NCTM's content standards—Number and Operations, Algebra, Geometry, Measurement, and Data Analysis and Probability—as well as ISTE standards. In addition, our Equity coursework discusses the *Individuals With Disabilities Education Act (IDEA)*.

PBS TeacherLine Supports Districtwide Goals

PBS TeacherLine provides PreK–12 teachers with high-quality, standards- and research-based professional development in a facilitated, online environment. Our six-week courses offer teachers challenging, in-depth learning experiences that boost student achievement.

Administrators praise our comprehensive approach to professional development because PBS TeacherLine

- **SAVES DISTRICTS TIME AND MONEY:** Curriculumwide content is available from a single, trusted source. The online format accommodates both individuals and groups in multiple locations, eliminating the need for substitutes and special training facilities. And, PBS TeacherLine courses are affordable, thanks to a grant from the U.S. Department of Education.
- **IMPROVES CLASSROOM PRACTICE AND STUDENT OUTCOMES:** Teachers become highly qualified, gaining research-based strategies that enhance the effectiveness of Mathematics instruction.
- **INCREASES JOB SATISFACTION/RETENTION:** PBS TeacherLine learners gain personal and professional satisfaction from their achievements. They become more motivated and creative in the classroom, especially in incorporating technology.

Seeing Math™ Series

PBS TeacherLine collaborated with The Concord Consortium to develop the Seeing Math™ series for students in grades 6–12. These nine interrelated courses incorporate highly visual techniques. Videos and computer-based interactives clarify complex concepts in ways that make them easier to teach and understand. Subject areas correspond to themes in current popular textbooks: linear functions, transformation of linear functions, proportional reasoning, data analysis, quadratic functions, quadratic transformations, quadratic equations, and systems of linear equations.

PBS TeacherLine and You: A Successful Partnership

Your Regional PBS TeacherLine Access:

www.ksmq.org/teacherline



BEYOND TELEVISION ... INFINITE POSSIBILITIES ...

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