



PBS TeacherLine®
PROFESSIONAL DEVELOPMENT

**WGBH/
TEACHERS' DOMAIN
SCIENCE**
for Teachers

PBS TeacherLine and WGBH/ Teachers' Domain Partnering for Excellence in Science Teaching & Learning

PBS TeacherLine has expanded its science offerings to include a special collection of WGBH/Teachers' Domain professional development courses in life, physical, and earth and space sciences for elementary, middle, and high school educators. As a teacher, you'll appreciate the depth and breadth of this course lineup and the many science course choices available to you and your colleagues.

Teachers' Domain professional development courses are produced by WGBH Boston, and developed by educators and advisors specializing in science teaching and curriculum.

Our Courses from the WGBH/Teachers' Domain Collection feature:

- High-quality multimedia from *NOVA*, *American Experience*, and other public television productions and partners
- Video and audio clips, interactives, images, and documents
- Explanatory background articles for each resource
- Correlations to state and national curriculum standards
- Media-rich lesson plans
- Resource management tools
- Video clips demonstrating exemplary classroom practice
- Inquiry-based methodology
- Smart integration of technology in the classroom

Two Formats to Meet Your Learning Needs:

- **FULL SURVEY 45-HOUR COURSE:** Provides a comprehensive understanding of a subject and of the inquiry method, leading to a systemic change in approach to curriculum design and teaching strategies (3 graduate-level credits).
- **TOPIC IMMERSION 30-HOUR COURSE:** Offers a quick immersion into teaching a practical topic. Derived from the 45-hour course and with a special final assignment, each course focuses on science content in the context of teaching strategies and inquiry (2 graduate-level credits).

Be more effective



PBS TeacherLine offers research- and standards-based professional development opportunities—all in an accessible and affordable online environment.

- **FLEXIBILITY OF CONNECTING VIA THE INTERNET:** Makes courses available whenever and wherever it's convenient.
- **PROFESSIONAL RECOGNITION:** Earn graduate credits, Professional Development Points (PDPs) or Continuing Education Units (CEUs).
- **COLLABORATIVE/INTERACTIVE LEARNING:** Trained facilitators guide discussions and provide valuable feedback, encouraging you and your colleagues to share strategies and insights.
- **SIGNIFICANT SAVINGS:** Thanks to a grant from the U.S. Department of Education, these opportunities are affordable. Additional funding may be available from your school or district (**details at www.pbs.org/teacherline**).

**Enroll online TODAY at
www.pbs.org/teacherline.
For more information call
800-572-6386.**



PBS TeacherLine and WGBH/Teachers' Domain Make Science Achievement a Professional Development Priority

To achieve rigorous science learning goals, your teachers will benefit from both deeper content knowledge and the opportunity to learn new instructional strategies that engage students.

That's why PBS TeacherLine has teamed up with WGBH Boston, to offer a special collection of courses in life, physical, and earth and space sciences for K-12 educators. Using specially selected content from trusted information sources such as the award-winning PBS science programs *NOVA*, *ZOOM*, and *A Science Odyssey*, these courses showcase practical real-world science applications.

PBS TeacherLine is the premier professional development resource offering PreK-12 teachers more than 100 research-based online courses that span the entire curriculum and include technology courses and resources for instructional coaches.

Courses Designed for Your District, Teachers, and Students

Teachers will build both the content knowledge and skills to spark students' passion for scientific inquiry.

- Elementary and middle school courses focus on three elements: content knowledge, inquiry methodology, and technology application.
- High school courses assume a basic knowledge of subject matter, and emphasize inquiry methodology and technology application.
- Hands-on activities help achieve positive outcomes by holding students' attention and increasing their enthusiasm for science.
- Teachers seeking to reach and maintain highly qualified status in science will find these courses accessible and affordable.
- These courses provide a direct route to improving science outcomes across grade spans and science subjects.

A Partnership for Success

The PBS TeacherLine WGBH/Teachers' Domain partnership will help you support your most valuable resource: *your teachers*.

- **SAVINGS OF TIME & MONEY:** The online format accommodates both individuals and groups in multiple locations, eliminating the need for substitutes and special training facilities.
- **ALIGNMENT WITH STANDARDS:** All WGBH/Teachers' Domain course content corresponds to the National Science Education Standards and the McREL Compendium of K-12 Standards, and addresses local and national standards, including NETS•T, and NCLB requirements.

- **IMPROVED CLASSROOM PRACTICE & STUDENT OUTCOMES:** Teachers become highly qualified, learning strategies to maintain students' attention with innovative science lessons.
- **TEACHER JOB SATISFACTION/RETENTION:** Learners gain personal and professional satisfaction from their achievements.
- **COURSE COST SAVINGS:** Thanks to a grant from the U.S. Department of Education, all PBS TeacherLine courses are affordably priced.

Our Science Line-up Includes:

LIFE SCIENCE

- Teaching Elementary Life Science (45 hours)
- Science and the Living World (30 hours)
- Plants and Animals (30 hours)
- Heredity and Adaptation (30 hours)
- Ecosystems and Human Impact (30 hours)
- Teaching Middle School Life Science (45 hours)
- Structure and Function (30 hours)
- Reproduction and Genetics (30 hours)
- Natural Selection and Applied Genetics (30 hours)
- Teaching High School Biology (45 hours)
- Inquiry in Science Education (30 hours)
- Teaching About Genetics (30 hours)
- Teaching About Evolution (30 hours)
- Designing Effective Lessons (30 hours)

PHYSICAL SCIENCE

- Teaching Elementary Physical Science (45 hours)
- Motion and Forces in Your World (30 hours)
- Understanding Motion and Force (30 hours)
- Understanding Properties and Structures (30 hours)
- Teaching Middle School Physical Science (45 hours)
- Understanding Energy Transfer (30 hours)
- Understanding Waves (30 hours)
- Understanding Heat Transfer (30 hours)
- Understanding Solubility and Density (30 hours)
- Teaching High School Physical Science (45 hours)
- Inquiry in Physical Science Education (30 hours)
- Assessing Understanding (30 hours)
- Building Understanding (30 hours)
- Teaching Effective Lessons (30 hours)

EARTH AND SPACE SCIENCE

- Teaching Earth and Space Science (45 hours)
- Introduction to the Earth System (30 hours)
- Structure of the Earth System (30 hours)
- Earth in Time and Space (30 hours)
- Weather and Climate (30 hours)

**For Additional Information,
call: 800-572-6386 or go to
www.pbs.org/teacherline/td.**