



**PBS TeacherLine®**

REMARKABLE RESOURCES FOR TEACHING & LEARNING

FALL/WINTER

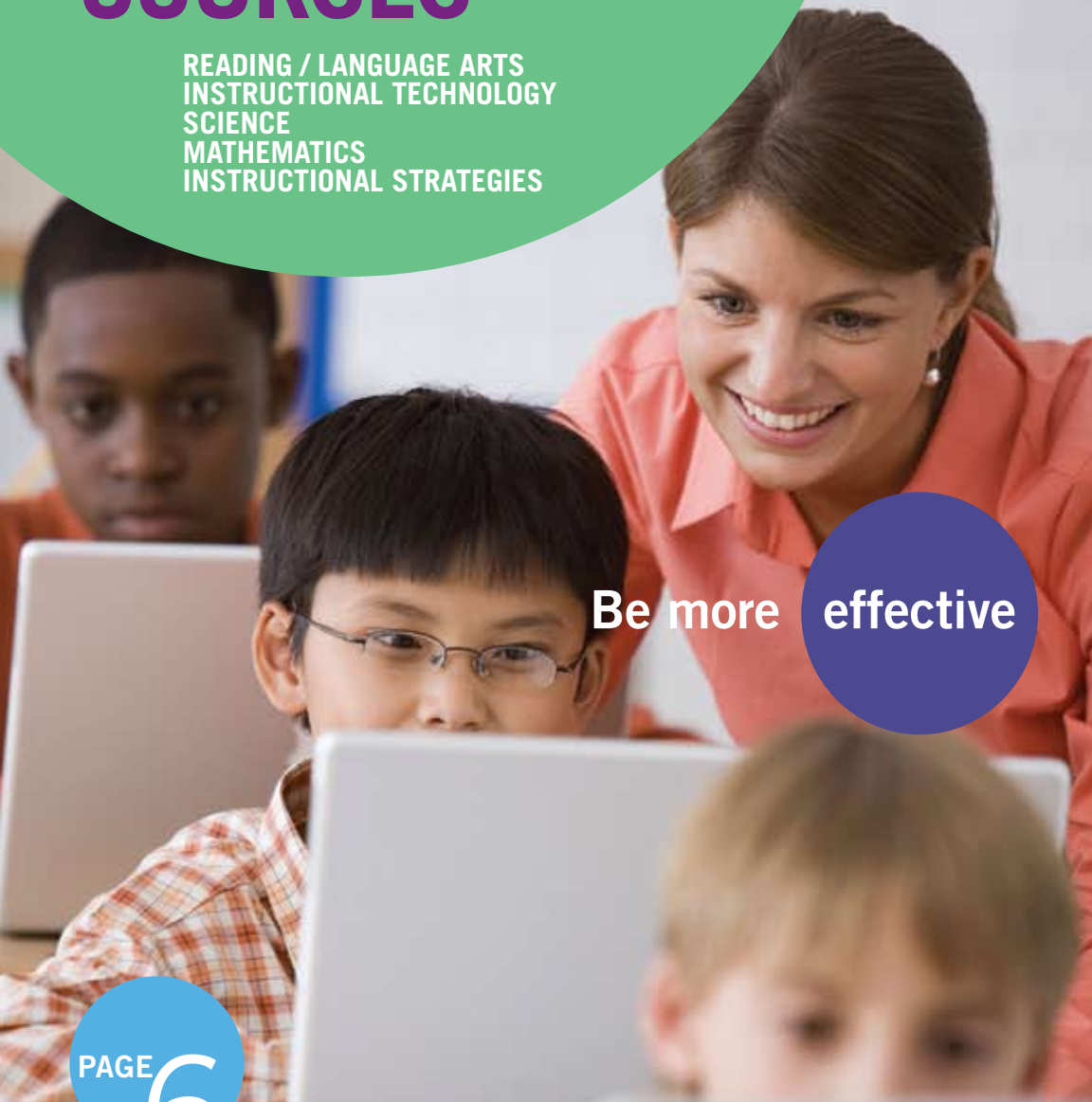
2009/  
2010

# PREK-12 ONLINE PROFESSIONAL DEVELOPMENT COURSES

EARN  
GRADUATE  
CREDIT

PAGE 20

READING / LANGUAGE ARTS  
INSTRUCTIONAL TECHNOLOGY  
SCIENCE  
MATHEMATICS  
INSTRUCTIONAL STRATEGIES



Be more effective

PAGE

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**PBS TEACHERLINE  
PEER CONNECTION**

RESOURCES AND TOOLS FOR  
COACHES AND MENTORS

**ENROLL TODAY!**

VISIT [pbsteacherline.org](http://pbsteacherline.org)

OR CALL 800-572-6386

FOR YOUR COURSE START DATE



## Dear Educator,

As you prepare for the upcoming school year, we invite you to take advantage of the professional development programs and resources that are available to you through PBS TeacherLine. It's a great way to refresh your enthusiasm for teaching and to build new skills and perspectives.

### Your Best Source for Professional Development Opportunities

- Our courses give **you** access to the very best in high quality, standards-based, graduate-level professional development.
- The flexible online format makes it more convenient for **you** to fit professional learning into **your** busy schedule.
- **You** can meet and collaborate with educators around the country...and gain new perspectives and professional connections.
- Our online courses are affordable and **you** can participate from home or at school, saving yourself time and money.
- **You** can earn graduate credit, professional development points, and CEU's—a priority as **you** enhance **your** professional skills and status.

### NEW! Courses Focusing on PreK Literacy

On pages 10-11, you'll find three new courses that demonstrate how preschool teachers and caregivers can use multimedia resources to help young children develop essential early literacy and reading skills.

### Support Instructional Coaches and Mentors

Check out our suite of powerful 21<sup>st</sup> century communication and collaboration tools and resources for instructional coaches and mentors, **PBS TeacherLine Peer Connection** (see pages 6-7).

### Enroll Today!

Take a look at the 130+ courses inside this resource guide and then take the next easy step by registering at [pbsteacherline.org](http://pbsteacherline.org). We look forward to welcoming you and your colleagues online this fall and winter.

Sincerely,

*The PBS TeacherLine Team*

**P.S. Remember, most schools or districts reimburse their teachers' PBS TeacherLine course expenses. Ask your district for more information.**



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## Discover the Benefits of PBS TeacherLine!

The PBS TeacherLine collection of courses gives you access to the very best in high-quality, standards-based, graduate-level professional development:

- 130+ professional development courses covering Reading/Language Arts, Mathematics, Technology, and a special Science collection from WGBH Boston.
- A flexible online format that makes it more convenient for you to fit professional learning into your busy schedule.
- The opportunity to meet and collaborate with educators around the country and gain new perspectives and professional connections.

### Save Time and Money

Our online courses are affordable and because you can participate from home or at school, eliminate the time and costs involved in travel. And most schools or districts reimburse their teachers' PBS TeacherLine course expenses. Ask your district for more information.

### Enhance Your Professional Skills and Status

With PBS TeacherLine, you can **earn graduate credit**, professional development points, and CEU's.

### Take Advantage of Important Opportunities for District Leaders!

From licensing our courses for your district's professional development program (see page 45 for details) to providing courses for your colleagues who may be interested in improving their skills in teaching in an online environment, PBS TeacherLine offers programs that will help you reach your district goals for supporting faculty and extending learning opportunities.

### Support Instructional Coaches and Mentors

Check out our suite of powerful 21<sup>st</sup> century communication and collaboration tools and resources for instructional coaches and mentors, **PBS TeacherLine Peer Connection** (see pages 6-7).

### NEW! Private Courses

When your school or district has twelve or more learners interested in the same course, PBS TeacherLine will tailor it to meet your specific needs and goals. Call 800-572-6386 for details and pricing.

Enroll at [pbsteacherline.org](http://pbsteacherline.org) today!

## Enrolling Takes Only Four Simple Steps... But the Benefits are Countless!

- 1 Browse our online course catalog at [pbsteacherline.org/catalog/](http://pbsteacherline.org/catalog/).
- 2 Input your zip code OR become a PBS TeacherLine member for FREE to find online courses offered both nationally and locally.
- 3 Search by grade level or subject to find courses that best meet your schedule and learning goals.
- 4 Enroll online using a credit card, or print a purchase order form for your district or supervisor.

Scheduled courses are offered either nationally or by a local PBS member station. National courses may include learners from anywhere in the United States. Courses offered by local PBS member stations will comprise learners from your state or region.

You can enroll for courses up to two days after the course starts. Enrollment periods for locally offered courses are determined by the course provider and will vary.



**CL Classroom Link** PBS TeacherLine's *Classroom Link* courses ask learners to implement lessons *with their class or with a small group of students*. (Options for learners without access to students are available.) This implementation process incorporates activities such as prior reflection, self-monitoring and debriefing, drawing on constructivist theory, and the "habits of mind" framework. With *Classroom Link*, research-based practices ensure that both you and your students will get the most out of your professional development experience.



## PBS TeacherLine Peer Connection: Tools for Success for Instructional Coaches and Mentors

### Help Your Instructional Coaches Achieve Their Goals!

In districts across the country, coaches and mentors provide essential guidance to classroom teachers, from new teacher induction forward, covering a range of practical and professional issues, all with a focus on helping them implement best practices in the classroom.

And that's where **PBS TeacherLine Peer Connection** comes into the picture.

### Tools for Communication, Collaboration, and Connecting with Colleagues

With **PBS TeacherLine Peer Connection**, instructional coaches enjoy powerful new ways to **search**, **save**, and **share** resources, including award-winning content from PBS TeacherLine and PBS programs. And it's easy to create instant online communities, so teachers and practice groups can connect and collaborate.

### One Powerful Suite of Online Tools...with Multi-Dimensional Uses and Advantages



**PBS TeacherLine Peer Connection** offers your coaches, mentors, and participating educators:

- **Best-in-Class Resources:** In one easy-to-search location, your instructional coaches will find quality resources from PBS TeacherLine courses, PBS programming, and other well-respected educational content providers to suggest to the teachers they are mentoring.

- **Best Practices & Research-Based Insights:** Your coaches will value access to videos about best practices, research-based articles, online interactive activities, and more.
- **Tools & Functions Created Expressly for Coaching:** Our tools make it easier and more effective to work with multiple coaching groups in multiple locations—extending the value of the coaching relationship between and beyond scheduled in-person coaching sessions.

Annual subscriptions for schools and districts starting at just \$799.  
Call 800-572-6386 for details!

## Our Coaching and Professional Development Modules Inspire Great Teaching and Learning

While coaches can search thousands of **PBS TeacherLine Peer Connection's** individual resources, our 250+ unique modules include guidance about using these materials with teachers and the other members of your coaching or mentoring teams.

### Coaching Modules

Coaching Modules support coaches' higher-level work with teachers. The collections are topic-, subject- or strategy-specific and are organized by purpose. Subjects covered include:

- Mentoring
- Instructional Strategies
- Reading/Language Arts
- Instructional Technology
- Mathematics for Elementary School
- Mathematics for Secondary School



### Professional Development Modules

Our Professional Development Modules deliver targeted content for coaches to use as part of their own personal skills development and to share with other coaches in their collaboration teams. Among the 30+ available topics are:

- **The Data Coach: Facilitating Data-Driven Instruction**
- **Roles and Responsibilities for School-Based Mentors**
- **Creating a Culture of Caring and Support for Novice Teachers**
- **Providing Effective Feedback**

For detailed pricing information and a custom quote, call us today at 800-572-6386.

We've reserved a **FREE 30-day trial** of PBS TeacherLine Peer Connection for you at [pbs.org/peerconnection](http://pbs.org/peerconnection).



## Reading and the Internet

### Children's Authors on the Web: Online Sites That Motivate Students to Write

Teacher Favorite

**Grades K–6** Discover the power of author studies to motivate students to read and write. This course uses a problem-based approach to teach the techniques of conducting an author study integrating technology and the Internet. Explore author and other websites to collect resources that will introduce your students to many genres while encouraging them to experiment by communicating with others in different forms. You'll create an individual author study you can use as the basis of an ongoing plan to inspire your students to read, write, and use technology effectively.

**RDLA125 30 HR**  
List Price ~~\$350~~ Special Price \$199

### Integrating the Internet into the Language Arts Curriculum

**Grades K–2** Hone your skills at finding the right Internet resources and selecting the resources that will work best for your students and learning plans using the *National Educational Technology Standards (NETS)* as a guide. As a final project, develop a plan for meaningfully integrating your choices into your language arts curriculum.

**RDLA120 30 HR**  
List Price ~~\$350~~ Special Price \$199

## Reading in the Content Areas

### Teaching Reading in the Content Areas **Teacher Favorite** **CL**

**Grades 3–12** You can master new strategies to address students' needs in various grade levels. From exploring environments that promote effective learning to examining the skills students need to read content material successfully, this course will introduce you to essential techniques that support more independent reading and learning. You'll identify opportunities for your students to access prior knowledge, set a purpose or target for reading, organize and summarize ideas, take notes, and reflect on their discoveries with satisfaction.

**RDLA340 30 HR**  
List Price ~~\$350~~ Special Price \$199

### Teaching Reading In Science **CL**

**Grades 3–12** Help students unravel the mysteries and complexities of scientific concepts by training them to approach science texts in new ways. Learn effective strategies to help your students arrange ideas, understand text organization, set goals for reading, make meaningful connections, and persevere through challenging materials.

**RDLA130 30 HR**  
List Price ~~\$350~~ Special Price \$199

### Teaching Reading In Mathematics **CL**

**Grades 3–10** Effective reading skills are critical for student achievement in mathematics. Learn and share strategies to help struggling students sort ideas, understand text organization, connect text to mathematical concepts and operations, and tackle challenging reading content. You'll also learn to assess the effectiveness of different teaching strategies. This course aligns with the National Council of Teachers of Mathematics' (NCTM) *Communication Standards*.

**RDLA135 30 HR**  
List Price ~~\$350~~ Special Price \$199

## Fluency

### Teaching Reading Fluency **CL**

**Grades 2–5** A fluent reader is more confident and successful. Learn quantitative and qualitative techniques to assess and improve students' fluency, and discover ways technology can foster students' fluency progress. Apply practical, research-based strategies that leverage trusted PBS resources to help parents make the home-to-school connection. This course is also ideal for teachers who work with older, struggling readers. Content aligns with the National Council of Teachers of English's (NCTE) *Standards 1, 2, 3, 4, and 12*.

**RDLA195 30 HR**  
List Price ~~\$350~~ Special Price \$199

## Reading and Comprehension

### Teaching Narrative and Expository Comprehension **CL**

**Grades PreK–K** Play, art, drama, and technology can extend student learning far beyond read-aloud sessions. Discover techniques for varying genres and including expository texts to strengthen comprehension. Practice questioning skills to aid comprehension during read-alouds. A plan for incorporating expository text into instruction is the culminating project.

**RDLA180 30 HR**  
List Price ~~\$350~~ Special Price \$199

Includes additional coursework and/or readings for greater depth (eligible for 3 credit hours).

**RDLA182 45 HR**  
List Price ~~\$430~~ Special Price \$249

### Teaching Narrative and Expository Comprehension **CL**

**Grades 1–3** Explore smart strategies for assessing student comprehension and study the challenges, such as the impact of genre, that affect comprehension in the early elementary grades. Develop lesson plans for direct instruction and collaborative approaches to teaching comprehension skills. The final task is to evaluate your school's reading comprehension curriculum.

**RDLA185 30 HR**  
List Price ~~\$350~~ Special Price \$199

Includes additional coursework and/or readings for greater depth (eligible for 3 credit hours).

**RDLA187 45 HR**  
List Price ~~\$430~~ Special Price \$249



### Teaching Narrative and Expository Comprehension **CL**

**Grades 4–6** Learn proven comprehension assessment techniques that will enable you to plan appropriate instruction for your 4th- to 6th-graders. Develop narrative and expository text lesson plans that use a collaborative teaching approach for direct comprehension instruction.

**RDLA190 30 HR**  
List Price \$350 Special Price \$199

Includes additional coursework and/or readings for greater depth (eligible for 3 credit hours).

**RDLA192 45 HR**  
List Price \$430 Special Price \$249

## Literacy

### An Introduction to Underlying Principles and Research for Effective Literacy Instruction

**Grades K–8** Meet requirements for research-based literacy and reading instruction. Analyze in-depth studies of the use of phonemic awareness, phonics, and word recognition to develop the skills required for students in kindergarten through eighth grade to expand vocabulary, improve comprehension and fluency, and gain independence. Familiarize yourself with the literacy needs of English language learners (ELLs), students with learning disabilities, and other struggling readers. As a final project, all participants will create a classroom literacy plan.

**RDLA150 30 HR**  
List Price \$350 Special Price \$199

Includes additional coursework and/or readings for greater depth (eligible for 3 credit hours).

**RDLA152 45 HR**  
List Price \$430 Special Price \$249

### Early Literacy Learning: Part 1

**Grades K–2** Learn about the components of a balanced literacy program through an early literacy framework that incorporates reading and writing as integral skills and represents a wide array of literacy activities. From the classroom-tested read-aloud, shared reading, word wall, and interactive writing strategies to authentic student assessments that inform balanced literacy instruction, this course gives you practical insight into balanced literacy concepts. Designed for K-2 literacy teachers, this course is also valuable for reading specialists and those who teach older students struggling with reading and writing. This course is a required prerequisite to *Early Literacy Learning (K-2): Part 2*.

**RDLA345 30 HR**  
List Price \$350 Special Price \$199

### Early Literacy Learning: Part 2

**Grades K–2** In this course, we focus on implementing a balanced literacy program using an early literacy framework. You'll practice balanced literacy techniques that include read-aloud, shared reading, word wall, and interactive writing strategies, and learn how technology can help you differentiate instruction. Like Part 1, this course is geared to K-2 literacy teachers and is also helpful for reading specialists and teachers serving struggling readers and writers in upper elementary grades. Learners must have completed *Early Literacy Learning (K-2): Part 1* before they can begin this course.

**RDLA350 30 HR**  
List Price \$350 Special Price \$199

### NEW! Read with Me: Developing Early Literacy with Children

**Grade PreK** Designed for preschool teachers and caregivers who want to have fun reading, singing and sharing stories with children, this course explores using stories to develop pre-reading and pre-writing skills such as oral language and vocabulary development, phonemic awareness, and reading comprehension. With this course, you will take part in a collaborative experience, learning about the many ways that multimedia can facilitate the sharing of stories with children. The course provides research-based articles, video examples from the KERA best practices video, *Read with Me*, online interactives and online and on-screen resources from PBS.

**RDLA044 8 HR** Special Price: \$99

*Note: Learners will need access to preschool-aged children to complete this course.*

### Raising Readers: Preparing Preschoolers for Success

**Grades PreK–K** *Raising Readers* focuses on developing preschoolers early literacy skills. The theories and strategies presented are based on the latest early literacy research from Susan B. Neuman and Kathleen Roskos (2007). You'll learn to use this research as you plan meaningful early literacy-learning experiences. These activities build on preschoolers' prior knowledge, expand their vocabulary, and strengthen oral language development—providing them with the foundation for reading, writing, and future academic success. The course provides video examples, online interactives, and activities from PBS, and engages you and your colleagues in a collaborative learning experience.

**RDLA051 15 HR**  
List Price \$250 Special Price \$129

### NEW! Raising Readers: Ready to Read and Write with Digital Media

**Grade PreK** This new course demonstrates how preschool teachers and caregivers can use PBS programming and online resources as a teaching tool to help young children develop essential early literacy and reading skills. Explore ways to use different types of stories to teach early reading and writing skills. Learn how to share stories with children through oral storytelling and interactive readaloud's. Create new stories together while interacting with PBS story characters in online games and activities. The course provides research-based articles, video examples, online interactives, and online and onscreen resources from PBS. We suggest that learners complete RDLA051: *Raising Readers: Preparing Preschoolers for Success* before taking this course.

**RDLA056 15 HR** Special Price: \$129

*Note: To complete this course, learners need access to a preschool-aged child and a computer with Internet access for the child to use.*

### NEW! Raising Readers: Ready to Spark Word Power

**Grades 1-3** This new course helps elementary teachers, care-givers, and after-school providers reach and teach struggling readers. Through an engaging, collaborative experience, learners will explore different ways to teach decoding and build vocabulary, comprehension, and reading fluency skills—all designed to motivate and transform kids into confident readers and writers. Learners will explore hip, innovative songs, raps, videos, games, and activities from The Electric Company® and learn how they can motivate and engage at-risk kids.

**RDLA061 15 HR** Special Price \$129

*Note: To complete this course, learners will need access to students in grades 1-3 and a computer with Internet access.*



### Phonics and Phonemic Awareness

#### Teaching Phonemic Awareness and Phonics

**Grades PreK–3** Bring the ideal balance of oral language, phonological awareness, phonemic awareness, phonics, and written language to your language arts instruction. Study the stages of literacy development and practice assessing the performance of budding young readers. Learn to design instructional activities that strengthen students' skills in phonemic and phonological awareness, letter-sound correspondence, and phonograms.

**RDLA155 30 HR**  
List Price \$350 Special Price \$199

Includes additional coursework and/or readings for greater depth (eligible for 3 credit hours).

**RDLA157 45 HR**  
List Price \$430 Special Price \$249

#### Teaching Phonics and Spelling for Beginning and Transitional Readers

**Grades 1–3** Engage your beginning and transitional readers and writers with research-based phonics and spelling activities. Study and discuss topics such as the principles that form the foundation for traditional versus contemporary perspectives on spelling instruction. Investigate better ways to help students develop oral reading fluency through learning letters, letter-sound correspondence, letter-sound patterns, and high-frequency words, then assess a student's skill level in spelling to set appropriate individual goals. At the conclusion of the course, create a case study of a second-grade speller.

**RDLA165 30 HR**  
List Price \$350 Special Price \$199

Includes additional coursework and/or readings for greater depth (eligible for 3 credit hours).

**RDLA167 45 HR**  
List Price \$430 Special Price \$249

### Meeting the Needs of Emergent Readers: Bert and Ernie to the Rescue!

By Elizabeth Ross Hubbell

*Excerpted from a PBS Teachers Media Infusion blog post.*

There were times when I was teaching first, second, and third grade reading that it felt as though I were teaching in a PreK-12 one-room schoolhouse. Some students were just beginning to sound out consonant-vowel-consonant words while others were halfway through their second Harry Potter book...and they all needed individual attention to assess and push their learning. There were times when I looked up at all of those raised hands and thought, "There has got to be a better way."

Eventually, I started to look to technology to help students get the practice and feedback that they needed, not only in reading, but in mathematics, science, and other content areas.

To read the entire article, please visit PBS Teachers and look for the blog at <http://www.pbs.org/teachers/mediainfusion/>

#### Teaching Phonics and Spelling for Emergent Readers

Teacher Favorite **CL**

**Grades PreK–K** Introduce your youngest readers and writers to the world of phonics and spelling with research-based instructional activities. Practice assessing the performance of emergent readers and analyzing students' work samples to determine their knowledge levels. Use assessment data to design appropriate activities for teaching letter-sound correspondence, high-frequency words, word recognition, and spelling. As a final exercise, create a case study of an emergent speller.

**RDLA160 30 HR**  
List Price \$350 Special Price \$199

Includes additional coursework and/or readings for greater depth (eligible for 3 credit hours).

**RDLA162 45 HR**  
List Price \$430 Special Price \$249

### Vocabulary

#### Teaching Vocabulary: Word Meaning and Word Knowledge **CL**

**Grades PreK–2** Design more effective lesson plans by learning to evaluate your students' word knowledge and to incorporate vocabulary instructional strategies. Explore the role of vocabulary knowledge in the relationship between the written vocabularies of reading and writing and the oral vocabularies of listening and speaking. Evaluate how your instructional practices align with National Council of Teachers of English/International Reading Association (NCTE/IRA) standards and your state's standards.

**RDLA170 30 HR**  
List Price \$350 Special Price \$199

Includes additional coursework and/or readings for greater depth (eligible for 3 credit hours).

**RDLA172 45 HR**  
List Price \$430 Special Price \$249





## Teaching Vocabulary: Word Meaning and Word Knowledge <sup>CL</sup>

**Grades 3–5** Enhance students’ reading comprehension through context-based instruction, direct instruction, and incidental exposure. Learn to incorporate proven vocabulary instructional strategies into your teaching, and design more effective lesson plans. Then evaluate how your own instructional practices map to the National Council of Teachers of English/International Reading Association (NCTE/IRA) standards and your state’s standards.

**RDLA175 30 HR**  
List Price ~~\$350~~ Special Price \$199

Includes additional coursework and/or readings for greater depth (eligible for 3 credit hours).

**RDLA177 45 HR**  
List Price ~~\$430~~ Special Price \$249

## Oral Language

### Facilitating Oral Language Development <sup>CL</sup>

**Grades PreK–3** Blending both theoretical and practical information about oral language development for students PreK–3, this course will introduce you to proven ways to assess students’ oral language skills and will give you the opportunity to practice strategies for teaching vocabulary to young students. The course also covers tactics for differentiating instruction to meet the needs of diverse students. Discover PBS resources, such as *Arthur*, that you can encourage parents to use to expand their children’s vocabulary. Coursework includes learning to set standards-based goals for integrating solid oral language practices into your classroom.

**RDLA200 30 HR**  
List Price ~~\$350~~ Special Price \$199

## Writing in the Content Areas

### Teaching Writing in the Content Areas

**Grades 6–12** You can bring writing into your classroom in all content areas with a practical plan developed through your work in this course. Covering the research basis for writing across the curriculum, the course will also help you teach students effective writing processes, including finding the time to write. You’ll learn sound techniques for evaluating writing skills and discover proven ways to promote writing to students.

**RDLA220 30 HR**  
List Price ~~\$350~~ Special Price \$199

### Teaching Writing in Science

**Grades 6–12** Learn to assess your students’ understanding of science concepts by integrating writing instruction into your curriculum. Help your students engage in persuasive writing tasks, and develop an instructional plan over the length of the course for using writing effectively in your classroom. Put your plan into action and gain insight from the experience.

**RDLA225 30 HR**  
List Price ~~\$350~~ Special Price \$199

## Teaching Writing in Mathematics <sup>CL</sup>

**Grades 6–12** Integrating writing into mathematics presents both challenges and opportunities. Discover the tools you need to make it work. Use a mathography lesson to gain insight into your students’ attitudes and learn how to help your students organize and communicate mathematical concepts and interact with others using prior knowledge and experiences. Then, develop a plan of action for implementing writing in a mathematics program.

**RDLA230 30 HR**  
List Price ~~\$350~~ Special Price \$199

## Writing

### Effective Writing Instruction <sup>CL</sup>

**Grades PreK–K** Even the youngest students can develop writing skills. This course explores the theory and practice of writing instruction and covers practical strategies to support students’ writing development, including modeled writing, shared writing, interactive writing, and independent writing. You’ll practice to improve your own teaching and assessment of students’ writing products. The course also covers techniques to help parents create writing opportunities at home, drawing on favorite PBS programs such as *Caillou*<sup>TM</sup>, *Mr. Rogers’ Neighborhood*<sup>TM</sup>, and *Between the Lions*<sup>TM</sup>.

**RDLA205 30 HR**  
List Price ~~\$350~~ Special Price \$199

### Effective Writing Instruction <sup>CL</sup>

**Grades 1–3** Learn how to use Writing Workshops to teach the theory and practice of writing to your early elementary students. From setting up and maintaining a Writing Workshop to analyzing obstacles to good student writing, you’ll have the opportunity to share insights with online colleagues. You’ll also learn ways to help students learn to evaluate the credibility of their sources. You’ll write a synthesis paper or design a class website to accompany a Writing Workshop program as your final project.

**RDLA210 30 HR**  
List Price ~~\$350~~ Special Price \$199

### Effective Writing Instruction <sup>CL</sup>

**Grades 4–6** Discover the course that previous participants have called “a real eye-opener with very practical information.” Focusing on research paper writing, you’ll learn to find topics that capture and maintain the interest of young adolescents. In addition, the course explores the connection between reading and writing, and how technology supports writing, revising, storing, and publishing a research paper.

**RDLA215 30 HR**  
List Price ~~\$350~~ Special Price \$199

With their wealth of classroom experience, our highly trained facilitators are ready to ensure your Internet-based learning experiences are relevant and hassle-free.



## English Language Learners

These short courses offer new ways to support your English language learners!

These five PBS TeacherLine courses focus on the skills and techniques teachers can use to help English language learners accelerate their mastery of English while staying on track with classroom instruction.

### Oral Language Development

**Grades PreK–3** This unique two-session course uses material derived from RDLA 200. It offers both theoretical and practical information to apply in helping nonnative English speakers develop language skills, meet learning standards, and experience success in school. During this two-week course, you will work within the online community to identify essential questions about English language learners and to answer these questions in a publishable article.

**RDLA363 10 HR**  
List Price \$175 Special Price \$99

### Assessing Language Development

**Grades PreK–3** Classroom assessment can promote language development and mastery for English language learners. Explore how to use classroom assessments effectively and strategically as tools to diagnose learning issues and as springboards to more effective educational practices, curricula, and strategies that help students learn.

**RDLA366 10 HR**  
List Price \$175 Special Price \$99

### Vocabulary Development

**Grades PreK–3** Discover the practices that best promote vocabulary development for English language learners. Learn why vocabulary development is so crucial to ELLs' success in school. In this course, you'll explore the similarities and differences between the strategies for teaching vocabulary development for ELLs and those for native English speakers. We'll also explore the role that knowledge of the student's primary language plays in successful English vocabulary development.

**RDLA373 10 HR**  
List Price \$175 Special Price \$99

### Writing Development in Grades PreK–3

**Grades PreK–3** Writing is one of the most difficult skills for English language learners to master, creating unique challenges for educators trying to gauge the skills and concepts these students have attained. Part of a collection of courses on English language learners, this two-week course focuses on considering essential questions to identify and understand the special considerations that can benefit ELLs and specific strategies that support them, ranging from group lesson activities to the use of technology. As a final project, learners will synthesize the knowledge they have gained into a publishable article.

**RDLA383 10 HR**  
List Price \$175 Special Price \$99

### Reading Fluency

**Grades 2–5** Explore the definition of reading fluency and its crucial role in the literacy development of English language learners. Part of a collection of courses on English language learners, this two-week course helps learners master the use of fluency assessments and learn to use strategies and resources for assessing, modeling, and facilitating fluency development in ELLs grades 2-5. The final project will require learners to implement a reading fluency assessment analysis with an English language learner.

**RDLA376 10 HR**  
List Price \$175 Special Price \$99

*Note: These courses are not eligible for graduate credit.*

## Using the Internet

### Teaching With WebQuests

Teacher Favorite **CL**

**Grades K–12** Discover Internet resources that promote inquiry-oriented student learning and smart use of the Web for research and class assignments. In this course, you will explore WebQuests and learn to integrate the Internet into your curriculum effectively. You will design a WebQuest to enhance a classroom unit or curriculum area.

**TECH145 30 HR**  
List Price \$350 Special Price \$199

### Evaluating and Organizing Internet Resources and Content **CL**

**Grades K–12** Web 2.0 is changing the way we use the Internet. In this course, you will develop skills needed to prepare students for evaluating and organizing Internet resources and content using Web 2.0 tools. These new "literacy" skills give students the foundation for effective Internet use and support their collaborative, meaningful, safe work on research and other projects. Learn the skills and strategies students need to become digital citizens. The course also covers how to organize Web sites and their content through the use of free online tools. For the Course Project, you'll develop a curriculum guide on preparing students for Web research integrating Web 2.0 tools, and create an online portal complete with resources for teachers, students, and parents.

**TECH340 30 HR**  
List Price \$350 Special Price \$199

### Searching and Researching on the Internet

Teacher Favorite **CL**

**Grades K–12** With today's changing technologies, our planet, it seems, has become a smaller place—although the amount of information easily available and extremely accessible in the world of the Internet has increased exponentially. Students need digital literacy now more than ever before. To search effectively for information on the Internet and conduct research, students need new skills that help them understand where and how to find information, and then how to dig deeper and use the content effectively. Learn strategies for helping your students develop searching and researching skills, including the use of Web 2.0 tools such as Web start pages, blogs, wikis, and social bookmarks. Explore ways to create authentic learning environments that make use of primary resources, go beyond sites such as Wikipedia for research, and teach responsible Web use. For the Course Project, create a research toolbox for developing searching and researching skills that you can use in a specific curriculum area.

**TECH325 30 HR**  
List Price \$350 Special Price \$199



## Publishing on the Web

Teacher Favorite

**Grades K–12** Master basic knowledge and skills needed for Web publishing. Examine school-based websites and other Web-publishing projects to identify both effective and ineffective presentations. Address key issues to help you understand basic requirements before embarking on Web-publishing activities in the classroom. An easy-to-use Web page template and basic HTML prompts are provided to help you complete your final task: creating an effective Web page.

**TECH335 30 HR**  
List Price \$350 Special Price \$199

## Collaborating on the Internet: Keypal Projects That Promote Cultural Awareness

**Grades 4–8** Keypal online exchanges will open a world of cultural awareness, geographic knowledge, and language skills for your students. This course will help you design a successful, collaborative keypal project for your own classroom so your students can connect with peers worldwide.

**TECH155 30 HR**  
List Price \$350 Special Price \$199

## Enhancing Multicultural Education With Technology

**Grades K–8** Create a learning environment where all children feel their culture can be expressed and appreciated. Discover how to build a collection of educational resources and technologies that can effectively unlock new worlds and encourage students to immerse themselves in different cultural experiences. The final assignment is to design a creative teaching unit incorporating community and Internet resources to advance multicultural studies in the classroom.

**TECH150 30 HR**  
List Price \$350 Special Price \$199

## Communicate and Collaborate Online CL

**Grades K–12** Develop powerful skills for researching, evaluating, and using online educational communication tools. Explore e-mail, chat, discussion boards, newsgroups, listservs, videoconferencing, and more while researching several collaborative classroom projects that use these tools. Readings and weekly discussions provide a forum for developing the knowledge and skills needed to differentiate between appropriate and inappropriate uses of classroom technology. As a final activity, design a dynamic lesson plan using electronic resources to bring Internet-based collaboration to a classroom project.

**TECH330 30 HR**  
List Price \$350 Special Price \$199

## Contemporary Issues: Using Technology for Discussion, Debate, and Problem-Solving in the Middle School Curriculum

**Grades 6–8** Technology can help students develop debate and problem-solving skills. This course introduces new strategies for incorporating current events, controversial issues, and pop culture into the curriculum. As a final task, create your own current events lesson plan that uses technology to foster understanding, discussion, and debate. If you want to bring contemporary issues into your social studies, humanities, or science classroom, this is your course!

**TECH190 30 HR**  
List Price \$350 Special Price \$199

## Applying Computer Technology

### Putting Technology to Use in the Classroom: Where to Start

**Grades K–12** Gain a better understanding of key issues surrounding technology integration, such as how to meet technology standards and choose the most suitable technology for a specific purpose. Identify lessons or concepts in your classroom that may benefit from technological enhancement. Learn to devise a strategy for integrating technology into your lesson plans.

**TECH160 30 HR**  
List Price \$350 Special Price \$199

## The Classroom Computer as a Learning Station CL

**Grades 1–8** You can guide students as they use technology so they learn and accomplish more and conduct more productive research. Practice designing learning station activities and providing peer review support throughout the course. As your final task, implement and revise one activity, reflect on the learning experience, and then develop a detailed plan for your new classroom learning station.

**TECH310 30 HR**  
List Price \$350 Special Price \$199





## Introduction to a One-Computer Classroom **CL**

**Grades K–12** Your computer can do more than you may know—discover how to use it as a presentation tool, a personal productivity assistant, a catalyst for creating interactive group experiences, and a student learning center. For your final assignment, choose one of these applications, then create and implement a lesson plan to apply in your classroom.

**TECH320 30 HR**

List Price **\$350** Special Price **\$199**

## Using the Computer for Cooperative Experiences

**Grades K–12** Expand cooperative learning through technology. In this course, you will explore three types of online cooperative experiences: tele-collaboration, WebQuests, and project-based learning. Examine the basic elements of each model and how to apply them to a project. As a final task, develop a teaching unit that employs one of the three models, including both an assessment rubric and an implementation plan.

**TECH315 30 HR**

List Price **\$350** Special Price **\$199**

## Technology-based Tools

### Teaching and Learning With Graphic Organizers: Featuring *Inspiration*® **Teacher Favorite**

**Grades K–12** Electronic graphic organizers can help students organize ideas, convey complex concepts, progress through the steps of the writing process, and develop mathematical and scientific thinking skills. Address different learning styles by presenting information in a visual format that shows the connections between concepts. Learn to apply such electronic graphic organizers as *Inspiration*® across the curriculum, throughout all grade levels, at learning stations, and in computer labs. Expand and enhance student thinking and learning for presentations and personal productivity.

**TECH195 30 HR**

List Price **\$350** Special Price **\$199**

## Using Multimedia to Develop Understanding **CL**

**Grades K–12** Help students in all grades use multimedia tools to demonstrate their authentic understanding of a subject. This course shows how Bloom’s Taxonomy can help guide your assessment of a project’s promotion of higher-level thinking skills. Learn to instill a strong understanding of content while promoting critical-thinking skills. Develop a project that integrates the use of multimedia in class assignments.

**TECH305 30 HR**

List Price **\$350** Special Price **\$199**

### EARN GRADUATE CREDIT

Graduate credit is available for an additional fee through Adams State College (Colorado), Indiana University-Bloomington, Madonna University (Michigan) and Northwest Nazarene University (Idaho). Additional providers in your area may be available for PBS TeacherLine courses offered by your local PBS station. Most courses are 30 hours, equivalent to 2 credit hours.

Visit [pbsteacherline.org](http://pbsteacherline.org) for details.

## The Computer for Personal Productivity

**Teacher Favorite**

**Grades K–12** Discover how you can use the computer, Web-based tools and Web 2.0, to boost your classroom productivity and effectiveness. Explore technology tools that improve communication with colleagues, students, and parents, and help create lesson plans and instructional materials, and manage electronic information. The Course Project will give you the opportunity to develop and implement these innovative, Web-based tools in a plan designed specifically to improve your personal productivity and positively contribute to student learning and achievement.

**TECH300 30 HR**

List Price **\$350** Special Price **\$199**





## New PBS Free Webinar Series for Educators!

Are you looking for ways to incorporate digital media into your teaching? PBS Teachers is introducing a series of free monthly webinars that provide information about integrating online instructional resources in the classroom to engage students in curriculum lessons. The PBS Teachers Live! webinar series features presentations by leading education experts, authors, and producers of PBS programs who will share their knowledge and ideas on using digital media to create rich learning experiences for students.

Below is list of what's to come:

PBS TEACHERS LIVE!		
MONTH	TOPIC	CURRICULUM CONNECTION
September	Transforming Schools: P.O.V.'s "The Principal Story"	All Subjects
	Dig into Early Science Instruction with Dinosaur Train	Science
October	Welcome to the NEW PBS Teachers Site!	All Subjects
	Ken Burns' The National Parks: America's Best Idea	Social Studies; Science & Tech
November	FRONTLINE "Digital Nation": Education in the Digital Age	All Subjects Social Studies; Science & Tech
	Economic and Financial Literacy for Students	All Subjects Social Studies; Math
December	PBS TeacherLine/Peer Connection	All Subjects

To register, visit [pbsteachers.org](http://pbsteachers.org)!



### PBS TeacherLine/ISTE Capstone Certificate Program Teacher Favorite

**Grades K–12** PBS TeacherLine partners with the International Society for Technology in Education (ISTE) to certify teachers who lead the way in the classroom technology integration. The PBS Capstone Program has earned the ISTE alignment seal with the 2008 National Educational Technology Standards for Teachers (NETS•T). Learners who successfully complete the program receive a joint certificate from ISTE and PBS TeacherLine, certifying their proficiency in ISTE NETS•T standards.



This research-based, online professional development program empowers you to achieve the following:

- Demonstrate your mastery of ISTE's *National Educational Technology Standards for Teachers* (NETS•T);
- Earn recognized certification in technology integration;
- Build a community of support for technology integration.

Program participants engage in the following activities:

- Identify relevant research about technology and learning;
- Develop a multimedia portfolio of projects that demonstrate technical standards in classroom situations;
- Exchange ideas and strategies with other program participants;
- Interact with a coach who provides guidance and feedback.

### THE CAPSTONE PROGRAM CONSISTS OF THREE COURSES

#### Capstone Introduction: Planning a Technology Portfolio

This 6-week course introduces you to ISTE NETS•T and the path to proficiency. You will increase your understanding of, and comfort with, the 2008 NETS•T and their practical applications in the classroom. You will also begin creating lesson plans that will be included in the digital portfolios developed in **Capstones I and II**.

**TECH401 30 HR Price \$199**

#### Capstone I: Launching a NETS•T Technology Portfolio CL

In this 12-week course you will deepen your thinking about effective teaching with technology. Learn how to collaborate to create a digital portfolio demonstrating the 2008 NETS•T incorporating lessons or projects that exemplify effective use of technology. **Capstone I** is a prerequisite for enrollment in **Capstone II**.

*Note: The project plan developed in **Capstone Introduction** must be approved prior to enrollment.*

**TECH410 45 HR Price \$595**

#### Capstone II: Proficient Use of Technology with the NETS•T CL

Through collaboration with other course participants, explore research and methods to facilitate authentic classroom learning using current and emerging digital tools. In this 12-week course, learners will expand their portfolio created in **Capstone I** to demonstrate the 2008 NETS•T at advanced levels.

*Note: **Capstone I** must be completed prior to enrollment.*

**TECH415 45 HR Price \$595**



# SCIENCE

SPECIAL COLLECTION: TEACHER'S DOMAIN  
PRODUCED BY WGBH BOSTON

Be more **effective**

## Experiment with New Science Content and Teaching Strategies

### DISCOVER THE WONDERS OF SCIENCE WITH YOUR STUDENTS!

**Address STEM Frameworks.** Improving science curriculum and instruction are priorities for many K-12 educators. Throughout the United States, there are increasing calls for improved content knowledge and instruction in Science, Technology, Engineering and Mathematics (STEM). Join this effort through PBS TeacherLine's special collection of courses from Teachers' Domain, produced by WGBH Boston, to help you teach life, physical, and earth and space science. Like all PBS TeacherLine courses, WGBH/Teachers' Domain courses tap media-rich resources and incorporate practical real-world applications. Many also use critically-acclaimed and trusted information sources such as the award-winning PBS science programs *NOVA*, *ZOOM*, and *A Science Odyssey*.

### PBS TEACHERLINE AND WGBH/TEACHERS' DOMAIN: Partnering for Excellence in Science Teaching & Learning

All course content corresponds to the National Science Education Standards and the McREL Compendium of K-12 Standards. Our courses provide research- and standards-based professional development in an accessible, online format that makes learning fun and effective.

Teachers can enrich lesson plans and build students' enthusiasm for science through innovative online resources and activities. With PBS TeacherLine science courses, you can:

- Foster students' collaborative learning, inquiry, and critical-thinking skills
- Develop students' research, analysis, and communication skills
- Improve their ability to organize and evaluate information
- Use inquiry and current technology to support science learning

### Look for PBS TeacherLine's SPECIAL COLLECTION: TEACHERS' DOMAIN produced by WGBH Boston

In the following pages, you will find courses covering topics from *Plants and Animals* to *Weather and Climate*, *Heredity and Adaptation* to *Understanding Motion and Force*, and many more.

**ELEMENTARY AND MIDDLE SCHOOL COURSES:** Courses for K-8 focus on three elements: content knowledge, inquiry methodology, and technology application.

**HIGH SCHOOL COURSES:** These courses assume a basic knowledge of subject matter and emphasize inquiry methodology and the use of technology in lessons.

**teachers'domain**  
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PROFESSIONAL DEVELOPMENT

## SPECIAL COLLECTION: TEACHERS' DOMAIN

PRODUCED BY WGBH BOSTON

**Note:** The Teachers' Domain collection includes both 45-hour, full-survey courses and shorter courses that use material drawn from those courses to offer topic-specific immersion. When planning their professional development, learners should select either the full survey course or choose one or more of the topic immersion component courses.

### Life Science

#### Teaching Elementary Life Science

**Grades K-4** Enhance your understanding and teaching of life science. In addition to developing content knowledge, you will be introduced to the constructivist learning model, discover a range of effective teaching methodologies, and experience a media-rich learning environment which you can use with your students.

**SCIE500 45 HR**  
List Price **\$430** Special Price **\$249**

*Note: Four shorter courses (SCIE502, SCIE504, SCIE506, SCIE508) offering an immersion-focus into specific topics covered within this course are also available from PBS TeacherLine.*

#### Science and the Living World

**Grades K-4** A topic immersion course on *Teaching Elementary Life Science*. Explore the essential question of how to use processes of scientific inquiry to learn and teach about the living world. Examine the characteristics common to all organisms and learn techniques to surface your students' prior knowledge and understanding.

**SCIE502 30 HR**  
List Price **\$350** Special Price **\$199**

*Note: Content is drawn from **Teaching Elementary Life Science** (SCIE500).*

### Plants and Animals

**Grades K-4** A topic immersion course on *Teaching Elementary Life Science*. Lead your students' examination of how the structures and functions of plants and animals help them meet their needs as living things. Explore strategies for the use of concept maps and effective uses of live plants and animals in the classroom to present plants as producers and animals as consumers.

**SCIE504 30 HR**  
List Price **\$350** Special Price **\$199**

*Note: Content is drawn from **Teaching Elementary Life Science** (SCIE500).*

### Heredity and Adaptation

**Grades K-4** A topic immersion course on *Teaching Elementary Life Science*. Go beyond the topics typically taught in elementary life science to provide your students with a foundation for the larger K-12 science scope and sequence. As you review the difference between inherited and environmental traits and examine the processes of heredity and natural selection, you will focus on ways to prepare your students for future study in genetics and evolution.

**SCIE506 30 HR**  
List Price **\$350** Special Price **\$199**

*Note: Content is drawn from **Teaching Elementary Life Science** (SCIE500).*



## Ecosystems and Human Impact

**Grades K–4** A topic immersion course on *Teaching Elementary Life Science*. Examine the complex interactions of living and non-living things that comprise an ecosystem. Explore a range of effective questioning techniques and discussion strategies for the classroom that can provide a context for understanding the nature of human impact on ecosystems.

**SCIE508 30 HR**  
List Price \$350 Special Price \$199

Note: Content is drawn from *Teaching Elementary Life Science (SCIE500)*.

## Teaching Middle School Life Science

**Grades 5–8** Experience the constructivist learning model firsthand as you deepen your knowledge of the entire range of life science topics—from the structure and function of organisms and cells to applied genetics and natural selection. This course incorporates inquiry, methodology, and metacognitive strategies for learning and teaching, including scientific reasoning, prediction, and abstract and critical thinking to maximize the impact of your science curriculum.

**SCIE510 45 HR**  
List Price \$430 Special Price \$249

Note: Four shorter courses (*SCIE512, SCIE514, SCIE516, and SCIE518*) offering an immersion-focus into specific topics covered within this course are also available from PBS TeacherLine.

## Structure and Function

**Grades 5–8** A topic immersion course on *Teaching Middle School Life Science*. Provide your middle schoolers with a meaningful understanding of the ways that an organism's characteristics enable it to survive and reproduce in its particular environment by learning to incorporate elements of the scientific process into your teaching. Discover high-impact ways to use models in the teaching of middle school life science.

**SCIE512 30 HR**  
List Price \$350 Special Price \$199

Note: Content is drawn from *Teaching Middle School Life Science (SCIE510)*.

## Regulation and Behavior

**Grades 5–8** A topic immersion course on *Teaching Middle School Life Science*. Your students share a fundamental trait with all living things: the desire to survive and to thrive. Help them understand the state of homeostasis, its importance to survival and how it is achieved through the combination of physical traits and behaviors. Learn about the use of prediction as a learning tool and ways to use the classroom environment to enhance student learning of these truly vital topics.

**SCIE514 30 HR**  
List Price \$350 Special Price \$199

Note: Content is drawn from *Teaching Middle School Life Science (SCIE510)*.

## Reproduction and Genetics

**Grades 5–8** A topic immersion course on *Teaching Middle School Life Science*. It's in their genes—middle school students can decode the mysteries of DNA and chromosomes. Learn techniques to make the abstract concepts of genetics and heredity concrete as you explore the mechanisms of cell division and specialization, DNA replication and protein synthesis, and the variability within species.

**SCIE516 30 HR**  
List Price \$350 Special Price \$199

Note: Content is drawn from *Teaching Middle School Life Science (SCIE510)*.

## Natural Selection and Applied Genetics

**Grades 5–8** A topic immersion course on *Teaching Middle School Life Science*. Enhance your understanding and your teaching of the processes of adaptation and the factors that determine what genetic traits are passed on to new generations. You will examine how natural selection helps populations adapt to changes in the environment over time and how humans have used their understanding of genetics and selection to change the course of evolution. Throughout the course you'll gain experience in employing informed discussion and debate as a teaching strategy and build your confidence in approaching controversial subjects.

**SCIE518 30 HR**  
List Price \$350 Special Price \$199

Note: Content is drawn from *Teaching Middle School Life Science (SCIE510)*.

## Teaching High School Biology

**Grades 9–12** Learn inquiry-based approaches to teaching standards-based science topics, including genetics, evolution, and cell biology. Gain practice using multimedia to explore novel learning environments and methodologies that foster student interest, involve them in the research process, advance their critical thinking skills, and develop their conceptual understanding.

**SCIE520 45 HR**  
List Price \$430 Special Price \$249

Note: Four shorter courses (*SCIE522, SCIE524, SCIE526, and SCIE528*) offering an immersion focus into specific topics covered within this course are also available from PBS TeacherLine.





# SCIENCE

SPECIAL COLLECTION: TEACHER'S DOMAIN  
PRODUCED BY WGBH BOSTON

Be more effective

## Inquiry in Science Education

**Grades 9–12** A topic immersion course on *Teaching High School Biology*. Examine how using inquiry-based teaching and learning strategies can improve students' understanding of science. This course introduces the essential elements of classroom inquiry and ways to apply the scientific process as a teaching and learning tool.

**SCIE522 30 HR**  
List Price \$350 Special Price \$199

Note: Content is drawn from *Teaching High School Biology* (SCIE520).

## Teaching About Genetics

**Grades 9–12** A topic immersion course on *Teaching High School Biology*. Provide your students with a deep and meaningful understanding of genetics by learning to employ content knowledge, sound teaching strategies, and real-life case studies. You'll explore methods to identify the challenging topics and "big ideas" in genetics and discover new resources and strategies to approach them.

**SCIE524 30 HR**  
List Price \$350 Special Price \$199

Note: Content is drawn from *Teaching High School Biology* (SCIE520).

## Teaching About Evolution

**Grades 9–12** A topic immersion course on *Teaching High School Biology*. You can prepare your students to form their own, deep understanding of evolution by employing the effective questioning, assessment, and inquiry strategies illustrated in this course. You'll examine the use of evidence in both scientific inquiry and classroom practice and explore ways to deepen student comprehension of the evidence for and processes of evolution.

**SCIE526 30 HR**  
List Price \$350 Special Price \$199

Note: Content is drawn from *Teaching High School Biology* (SCIE520).

## Designing Effective Lessons

**Grades 9–12** A topic immersion course on *Teaching High School Biology*. Master the principle of "backward design" to plan and revise lessons that will improve your teaching of cell biology, ecology, and other biology topics. You'll explore the role that classroom environment plays in learning and identify strategies for developing a supportive learning environment.

**SCIE528 30 HR**  
List Price \$350 Special Price \$199

Note: Content is drawn from *Teaching High School Biology* (SCIE520).

## Physical Science

### Teaching Elementary Physical Science

**Grades K–4** Enhance your understanding and teaching of physical science by exploring the concepts of motion, force, and matter that are part of daily life. Learn to incorporate observation, discourse, and experimentation into classroom lessons.

**SCIE530 45 HR**  
List Price \$430 Special Price \$249

Note: Three shorter courses (SCIE532, SCIE534, and SCIE536) offering an immersion focus into specific topics covered within this course are also available from PBS TeacherLine.

### Motion and Forces in Your World

**Grades K–4** A topic immersion course on *Teaching Elementary Physical Science*. Look at examples of motion in the world to understand how and why things move. Explore concepts of motion, force, speed, and acceleration, and investigate ways for your students to identify and build upon prior knowledge.

**SCIE532 30 HR**  
List Price \$350 Special Price \$199

Note: Content is drawn from *Teaching Elementary Physical Science* (SCIE530).

## Understanding Motion and Force

**Grades K–4** A topic immersion course on *Teaching Elementary Physical Science*. Learn to identify and analyze the forces that cause the motions of rolling, falling, floating, and sinking. Explore ways to foster learning through the making and testing of predictions and develop strategies to employ observation and experimentation to illustrate the major forces that act on moving objects.

**SCIE534 30 HR**  
List Price \$350 Special Price \$199

Note: Content is drawn from *Teaching Elementary Physical Science* (SCIE530).

## Understanding Properties and Structures

**Grades K–4** A topic immersion course on *Teaching Elementary Physical Science*. Leverage the power of the real-world context for physical science learning. In this course you'll investigate the physical properties of objects and how their arrangement into structures affects their response to forces; explore how materials and objects respond to and apply forces; and distinguish between dynamic and static situations. You'll complete the course prepared to use prediction and testing as a learning tool and assess learning in an ongoing manner.

**SCIE536 30 HR**  
List Price \$350 Special Price \$199

Note: Content is drawn from *Teaching Elementary Physical Science* (SCIE530).





## Teaching Middle School Physical Science

**Grades 5–8** Deepen your understanding of the science concepts needed to teach standards-based curricula at the middle school level. Increase your content knowledge about the physical science topics of energy transfer, light and waves, heat transfer, and density and solubility. Learn methods and metacognitive strategies for learning and teaching, including scientific reasoning, prediction, and abstract and critical thinking to optimize your science teaching experiences.

**SCIE540 45 HR**  
List Price \$430 Special Price \$249

*Note: Four shorter courses (SCIE542, SCIE544, SCIE546, and SCIE548) offering an immersion focus into specific topics covered within this course are also available from PBS TeacherLine.*

## Understanding Energy Transfer

**Grades 5–8** A topic immersion course on *Teaching Middle School Physical Science*. Capture your students' attention in a flash. Discover compelling examples of energy transfer from everyday situations to share with your students. Develop effective ways to illustrate the concept of conservation of energy and to explain what happens when energy is converted from one form to another. Examine inquiry-oriented, research-based methods for teaching these topics.

**SCIE542 30 HR**  
List Price \$350 Special Price \$199

*Note: Content is drawn from Teaching Middle School Physical Science (SCIE540).*

## Understanding Waves

**Grades 5–8** A topic immersion course on *Teaching Middle School Physical Science*. Advance your understanding and increase the effectiveness of your teaching about the fundamental principles of light absorption and reflection and the similarities and differences between different types of waves, from sound waves to visible light. Explore the use of guiding questions and prediction strategies in discussions with fellow middle school science teachers.

**SCIE544 30 HR**  
List Price \$350 Special Price \$199

*Note: Content is drawn from Teaching Middle School Physical Science (SCIE540).*

## Understanding Heat Transfer

**Grades 5–8** A topic immersion course on *Teaching Middle School Physical Science*. Investigate the mechanisms and influences of different types of heat transfer, including radiation, convection, and conduction, using theoretical models and real-world examples. Examine teaching models using formative assessment strategies specifically suited to these topics.

**SCIE546 30 HR**  
List Price \$350 Special Price \$199

*Note: Content is drawn from Teaching Middle School Physical Science (SCIE540).*

## Understanding Solubility and Density

**Grades 5–8** A topic immersion course on *Teaching Middle School Physical Science*. Uncover unique and engaging resources that allow you and your students to investigate changes in density and how dissolving one substance into another affects mass and volume. Within the context of these topics, you'll examine the attributes of an effective learning environment and learn to create a classroom that fosters inquiry learning.

**SCIE548 30 HR**  
List Price \$350 Special Price \$199

*Note: Content is drawn from Teaching Middle School Physical Science (SCIE540).*

## Teaching High School Physical Science

**Grades 9–12** Learn inquiry-based methods and strategies for teaching the standards-based science topics that teachers and students find most challenging, including atomic and molecular structure, chemical reactions, motions and forces, and the electromagnetic spectrum. Use multimedia to explore novel learning environments and methodologies that foster student interest, involve them in the research process, advance their critical thinking skills, and develop their conceptual understanding.

**SCIE550 45 HR**  
List Price \$430 Special Price \$249

*Note: Four shorter courses (SCIE552, SCIE554, SCIE556, and SCIE558) offering an immersion focus into specific topics covered within this course are also available from PBS TeacherLine.*

## Inquiry in Physical Science Education

**Grades 9–12** A topic immersion course on *Teaching High School Physical Science*. Examine how using inquiry-based teaching and learning strategies can improve students' understanding of atomic and molecular structure and other topics in physical science. Explore effective ways to bring the scientific process into the classroom.

**SCIE552 30 HR**  
List Price \$350 Special Price \$199

*Note: Content is drawn from Teaching High School Physical Science (SCIE550).*

## Assessing Understanding

**Grades 9–12** A topic immersion course on *Teaching High School Physical Science*. Explore techniques for assessing what students know before, during, and after a lesson and discover how the knowledge students bring with them to a lesson affects their learning. Uncover specific teaching strategies that can help determine what your students understand about chemical reactions, atomic bonding, and other topics.

**SCIE554 30 HR**  
List Price \$350 Special Price \$199

*Note: Content is drawn from Teaching High School Physical Science (SCIE550).*



## Building Understanding

**Grades 9–12** A topic immersion course on *Teaching High School Physical Science*. Learn to match pedagogical strategies to specific topics such as motions and forces to increase the effectiveness of your teaching of science content. Practice modifying your teaching strategies to meet the unique needs of each learner.

**SCIE556 30 HR**  
List Price \$350 Special Price \$199

Note: Content is drawn from *Teaching High School Physical Science* (SCIE550).

## Teaching Effective Lessons

**Grades 9–12** A topic immersion course on *Teaching High School Physical Science*. Learn to apply the principles of effective curriculum design to your own lesson planning. You'll examine models of environments that foster inquiry-based learning and apply what you learn to improve lessons on waves or motions and forces.

**SCIE558 30 HR**  
List Price \$350 Special Price \$199

Note: Content is drawn from *Teaching High School Physical Science* (SCIE550).

## Earth and Space Science

### Teaching Earth and Space Science

**Grades 5–12** Master the principles of constructivist learning and exploration-based science instruction as you gain a comprehensive understanding of earth and space science to drive your students' success. You will develop content knowledge about Earth as a system, landform processes, Earth's history, the Sun-Earth-Moon system, and weather and climate. You will also discover a range of effective methods and strategies to approach these topics.

**SCIE560 45 HR**  
List Price \$430 Special Price \$249

Note: Four shorter courses (SCIE562, SCIE564, SCIE566, and SCIE568) offering an immersion focus into specific topics covered within this course are also available from PBS TeacherLine.

### Introduction to the Earth System

**Grades 5–12** A topic immersion course on *Teaching Earth and Space Science*. Explore the key areas of content and methodology for teaching earth and space science effectively. Look at Earth as a system and examine how this system functions to create the physical world around us. Review Earth system science in the context of research about how people learn and inquiry-based instructional models.

**SCIE562 30 HR**  
List Price \$350 Special Price \$199

Note: Content is drawn from *Teaching Earth and Space Science* (SCIE560).

### Structure of the Earth System

**Grades 5–12** A topic immersion course on *Teaching Earth and Space Science*. Develop content knowledge about landform processes, data sets, and mapping tools while you learn effective teaching methodologies, strategies, and tools for use in teaching earth and space science concepts. Uncover the processes that account for the Earth's ever-changing appearance, and investigate how the rock cycle connects to these processes.

**SCIE564 30 HR**  
List Price \$350 Special Price \$199

Note: Content is drawn from *Teaching Earth and Space Science* (SCIE560).

### Earth in Time and Space

**Grades 5–12** A topic immersion course on *Teaching Earth and Space Science*. Explore how the geological record helps us understand the long history of the Earth system and how the Sun-Earth-Moon system affects our world. Learn effective ways to illustrate the vast scales associated with the solar system and the universe.

**SCIE566 30 HR**  
List Price \$350 Special Price \$199

Note: Content is drawn from *Teaching Earth and Space Science* (SCIE560).

### Weather and Climate

**Grades 5–12** A topic immersion course on *Teaching Earth and Space Science*. Examine the causes of weather and explore technological advances in weather monitoring. Consider the impact of human activity on climate change.

**SCIE568 30 HR**  
List Price \$350 Special Price \$199

Note: Content is drawn from *Teaching Earth and Space Science* (SCIE560).



For more strategies to enhance science learning, see *Teaching Reading in Science* (RDLA130, page 8) and *Teaching Writing in Science* (RDLA225, page 14).



## General Science

### Fostering Cooperative Learning, Inquiry, and Critical Thinking in Elementary Science **CL**

**Grades 1–4** Learn to meet national science standards by helping students develop the skills necessary to analyze ideas, think critically, and communicate clearly. Create lessons and activities that support collaboration, inquiry, and critical thinking.

**SCIE125 30 HR**  
List Price \$350 Special Price \$199

### Fostering Collaboration, Inquiry, and Critical Thinking in Middle School Science **CL**

**Grades 5–8** Science can engage and encourage students to think critically and logically. In this course, you will learn to integrate technology into the classroom to encourage students to ask questions, collaborate with others, and explore and evaluate data. Discover software and Web activities designed to help your students organize and consolidate their thinking, communicate their ideas clearly, and analyze and evaluate the ideas of others.

**SCIE130 30 HR**  
List Price \$350 Special Price \$199

### Scientific Inquiry and Field Work: Discovering With Technology

**Grades 6–8** Inquiring young minds can tackle problem solving successfully. Keep your students engaged by incorporating current technology into your science curriculum. Visit websites that enable students to collect and analyze data using online equipment and learn high-tech strategies that allow them to record and analyze information, investigate the results, and share their findings. Then, design a unit plan for an ecosystem field trip that incorporates what you've learned.

**SCIE120 30 HR**  
List Price \$350 Special Price \$199



## Teaching

### Math in Everyday Life **CL**

**Grades K–5** Make mathematics “real” for your young students with a fresh look at problem-solving, calculators, and the Internet in the classroom. Review the National Council of Teachers of Mathematics (NCTM) *Calculator-Usage and Problem-Solving Standards* for a framework to design lesson plans, address content, and meet state standards. Then, develop a “walking field trip” through tasks found in students’ daily lives.

**MATH181 15 HR**  
List Price \$300 Special Price \$169

### Math in Everyday Life

**Grades 6–8** Math is all around us and you can energize middle school math instruction with real-world challenges. Examine the importance of problem-solving skills, calculators, and the Internet in the classroom while addressing national math standards.

**MATH186 15 HR**  
List Price \$300 Special Price \$169

### Fostering Cooperative Learning, Discussion, and Critical Thinking in Elementary Math **CL**

**Grades 1–5** Highly developed collaborative and critical thinking skills are what your students need to meet standards and perform in high-stakes testing. Expand your collection of strategies for sharpening these skills using classroom technology. Discover activities designed to support collaboration and problem-solving within the curriculum while addressing National Council of Teachers of Mathematics (NCTM) standards.

**MATH120 30 HR**  
List Price \$350 Special Price \$199

## Equity

### Enabling Students With Special Needs to Succeed in Math Class

Teacher Favorite

**Grades 4–8** Make mathematics accessible and understandable for all students, including those with disabilities. The *Individuals with Disabilities Education Act* (IDEA) mandates equity so that, whenever possible, students with disabilities learn in the same classrooms and with the same curricula as their peers. In this course, you will learn how to adapt your own curricula and work with special needs teachers to help your students succeed in the classroom. As your final task, you will develop a plan that builds accessibility strategies into your daily teachings.

**MATH165 30 HR**  
List Price \$350 Special Price \$199

### Gender Equity in the Mathematics Classroom

**Grades 4–8** Does your learning environment support math success for boys and girls? This course introduces techniques to evaluate your teaching style for gender bias while exploring strategies to increase gender equity in a standards-driven instructional setting. To complete the course, you'll develop a project that creates or maintains gender-equitable mathematics curricula.

**MATH160 30 HR**  
List Price \$350 Special Price \$199



## Numbers and Operations

### Count On It: Number Sense **CL**

**Grades K–5** Make sense out of “number sense” as you discover the role it plays in students’ mathematical development, and the impact it has on their future performance. Identify effective assessment strategies, examine lesson plans, Web resources, and the National Council of Teachers of Mathematics (NCTM) standards. As a final requirement, you will develop lesson plans using both traditional and technological manipulatives.

**MATH221 15 HR**  
List Price \$300 Special Price \$169

### Understanding Numbers and Operations: Addition and Subtraction

Teacher Favorite **CL**

**Grades PreK–3** Lay the foundation that your students will build on to meet mathematical standards for years to come. Learn to teach mental arithmetic to enhance your students’ understanding of addition and subtraction. Develop your understanding of computational strategies by observing students, exploring lesson plans, and examining Web resources. Design, implement, and assess a numbers and operations lesson that combines technology, manipulatives, and effective pedagogical strategies as your final project.

**MATH250 30 HR**  
List Price \$350 Special Price \$199

### Rational Numbers, Fractions, Decimals, and Percents

**Grades 6–8** Help your middle schoolers unravel the mysteries of rational numbers, fractions, decimals, and percents. Using sample problems, you will build your understanding of how students approach their study, and learn practical, proven ways to redirect their thinking. For a final project, you will create a rational number lesson plan that includes a student assessment component.

**MATH246 15 HR**  
List Price \$300 Special Price \$169

### Measurement: Surface Area and Volume **CL**

**Grades 6–8** Clarify the concepts of surface area and volume for middle schoolers using nets/maps, interactives and the van Hiele model of geometric thought. Learn how to encourage students’ reasoning while addressing the National Council of Teachers of Mathematics (NCTM) standards. Utilize PBS’s resources, such as *Misunderstood Minds*, to address students with math disabilities. Create a lesson on surface area and volume.

**MATH240 30 HR**  
List Price \$350 Special Price \$199

### Ready to Teach Fractions: Part 1 **CL**

**Grades 4–6** Unlock the mysteries surrounding children’s struggle with fractions. Through the work of the *Rational Number Project* (RNP), you will begin to view fraction number sense as an extension of whole number sense and become familiar with the Lesh Translation Model while reviewing learning theory. Explore how using manipulatives to help children develop mental images of fractions (rather than algorithms) boosts understanding. As the cornerstone of this course, the practical and research-based RNP fraction curriculum will be made available for classroom implementation.

**MATH226 15 HR**  
List Price \$300 Special Price \$169

### Ready to Teach Fractions: Part 2 **CL**

**Grades 4–6** Now, build on the understanding you gained in *Ready to Teach Fractions Part 1*, the prerequisite course focused on developing meaning for fraction–symbols, ordering fractions, and working with concrete models for equivalent fractions. In Part 2, you’ll learn more about the *Rational Number Project* (RNP) philosophy for encouraging students to learn fraction addition, subtraction, multiplication, and division concretely and meaningfully. As the cornerstone of this course, the practical and research-based RNP fraction curriculum will provide you with instructional activities to help students operate with fractions involving addition, subtraction, multiplication, and division. *Ready to Teach Fractions Part 2* is an ideal “next step” to help students overcome the fear of fractions.

**MATH231 15 HR**  
List Price \$300 Special Price \$169

### Seeing Math™: Proportional Reasoning **CL**

**Grades 6–12** Discover techniques to successfully guide your students through the critical transition from elementary mathematics and computing to the more complex, proportional thinking of algebra. Adapt problems from your curriculum to different learning styles using graphing, multimedia technology, and other strategies. You will also become familiar with assessment techniques that distinguish between true proportional reasoning and the appearance of understanding.

**MATH430 30 HR**  
List Price \$350 Special Price \$199

### Proportional Reasoning

**Grades 6–8** Target middle school students’ misconceptions about proportionality as you learn new ways to teach ratio, proportion, and percents. After exploring various student approaches to proportion problems and collaborating with other course participants, you’ll be prepared to craft a lesson plan designed to teach a concept of proportion using your new knowledge.

**MATH 171 15 HR**  
List Price \$300 Special Price \$169

Please visit  
[pbsteacherline.org](http://pbsteacherline.org)  
for course availability,  
start dates, and  
enrollment information.



## Data Analysis and Probability

### Making Comparisons with Data Analysis

**Grades 6–8** Get the inside track on what data analysis concepts your middle schoolers understand and where they are likely to struggle. Discover concepts that are integral to making comparisons, including distribution and measures of spread, measures of center, graphic representation and interpretation, and communication of data-based conclusions. For your final assignment, you'll design a sequential two-lesson unit that incorporates the instructional practices explored in this course.

**MATH150 30 HR**  
List Price \$350 Special Price \$199

### Just the Stats: Data Analysis **CL**

**Grades 6–8** Learn to evaluate and select appropriate Web-based activities that help students learn data collection and analysis using National Council of Teachers of Mathematics (NCTM) standards as your guide to the ways technology can enhance the subject. You'll then be able to develop data analysis lessons that successfully integrate technology.

**MATH211 15 HR**  
List Price \$300 Special Price \$169

### The Odds Are Good: Probability **CL**

**Grades 6–8** We'll bet that we've got what you're looking for! Discover techniques to develop lessons about probability that meet the National Council of Teachers of Mathematics (NCTM) standards, use technology as a teaching tool, and incorporate new pedagogical strategies for teaching probability to middle school students.

**MATH216 15 HR**  
List Price \$300 Special Price \$169

### Seeing Math™: Data Analysis

**Grades 6–12** “What do the measures of central tendency—mean, median, and mode—tell you about the data?” Teach your students how to answer that question and encourage them to look beyond calculations and individual data points. Explain how the measures are related to the whole set and see the data as an aggregate; help students perform higher-order statistical thinking.

**MATH455 30 HR**  
List Price \$350 Special Price \$199

## Algebra

### Patterns and Relations: Algebra Concepts **CL**

**Grades 1–5** Teach your students how algebra connects to patterns and relationships by incorporating manipulatives, technology, problem-solving activities, and the National Council of Teachers of Mathematics (NCTM) standards into your algebra curriculum.

**MATH236 15 HR**  
List Price \$300 Special Price \$169

## NEW! PBS Teachers Activity Packs!

### Trusted resources you can take with you.

Finding digital resources that are appropriate for the grade level, subject and lesson you teach can be a time-consuming and challenging task, but PBS Teachers [pbsteachers.org](http://pbsteachers.org) is making it easier and quicker with the new Activity Packs!

An Activity Pack is a web-based widget that contains links to high-quality PBS instructional resources and activities focused on a specific theme for multiple grade levels. The themes cover a wide range of subject areas, including reading/language arts, science, social studies, health, and art.

You can “grab” the widgets to populate your social networking pages, web pages, or blogs by simply copying and pasting HTML code. Visit [pbsteachers.org](http://pbsteachers.org) to explore the library of Activity Packs and discover high-quality educational resources you can use for free.



Sign up to become a PBS Teacher and enjoy access to free webinars and PBS Teachers Connect, an online learning community where PreK-12 educators collaborate with their peers, discuss digital media use, and save online instructional resources for later use. PBS Teachers members also receive discounts to ShopPBS for Teachers.

Visit [pbsteachers.org](http://pbsteachers.org) for more information.



## Developing Algebraic Thinking

**Grades 3–5** Help your 3rd- to 5th-graders think algebraically by learning strategies for incorporating algebra into your classroom. Explore the algebraic content in your current teachings and develop a connection between algebra and mathematics.

**MATH270 30 HR**  
List Price ~~\$350~~ Special Price \$199

## Ahead of the Curve: Exponential and Other Functions

**Grades 6–8** Help middle school students function with functions. Study strategies for teaching exponential functions and growth, and solve a range of mathematical problems to understand the underlying mathematics of functions. Collaborate with peers online to find ways to recognize and address students' misconceptions. Create a lesson plan that prepares students for the type of function problems they will encounter in your curriculum.

**MATH126 15 HR**  
List Price ~~\$300~~ Special Price \$169

## The Concept of Function

**Grades 9–12** Understand more about what confuses your high school students when they encounter the theory of function. You'll examine theories of function as a process, a mathematical object, and a tool for description and prediction, and learn new ways to present the concept to your students. The course's final project is to develop an effective approach to teaching the concept of function that builds on your current curriculum and instructional resources.

**MATH156 15 HR**  
List Price ~~\$300~~ Special Price \$169

## Seeing Math™ Series **Teacher Favorite**

PBS TeacherLine and The Concord Consortium teamed up to create this series of innovative courses that makes difficult mathematical concepts highly visual and easier to teach. Experience firsthand the challenges that students face while trying to understand algebraic concepts, then discuss strategies to expand their understanding. This series includes the following features:

- Nine related courses that align with themes presented in today's popular textbooks: linear functions, transformation of linear functions, linear equations, proportional reasoning, data analysis, quadratic functions, quadratic transformations, quadratic equations, and systems of linear equations;
- Videos of students and their teachers that provide insight into student thinking;
- Computer-based interactives that offer guided exploration of key ideas;
- Moderated discussions that enable you to engage in discourse with other participants about mathematics content, student thinking, instructional strategies, and classroom management;
- Classroom-based activities that you can implement with your students.

## Seeing Math™: Linear Equations

**Grades 6–12** Develop strategies for teaching students how to represent and manipulate linear equations. Examine the rationale behind the symbol manipulation that maintains an equality or corresponding inequality. Use symbolic and graphic techniques to solve equations.

**MATH420 30 HR**  
List Price ~~\$350~~ Special Price \$199

## Seeing Math™: Systems of Linear Equations

**Grades 6–12** Uncover each step in the solution process as you learn ways to help your students master the skills they need to answer questions like these: "What does it mean to solve a system of linear equations?" and "What do all of the procedures used to solve such systems have in common?"

**MATH425 30 HR**  
List Price ~~\$350~~ Special Price \$199

## Seeing Math™: Linear Functions

**Grades 6–12** Discover a fresh approach to teaching linear functions through the use of real-world problems that generate varied approaches and solutions. Learn how multiple representations and solutions strengthen students' understanding of functions, equations, and problem-solving.

**MATH410 30 HR**  
List Price ~~\$350~~ Special Price \$199

## Seeing Math™: Transformations of Linear Functions **CL**

**Grades 6–12** Learn how to help students grasp the symbolic representations of functions while representing families of linear functions in multiple formats. Observe and discuss videos of students to gain insight into student thinking and explore strategies to address their misconceptions. Acquire interactive software and activities to use in the classroom that demonstrate the link between symbolic forms of linear functions and graphical forms.

**MATH415 30 HR**  
List Price ~~\$350~~ Special Price \$199

## Seeing Math™: Quadratic Functions

**Grades 6–12** Learn high-impact modeling and problem-solving techniques to teach quadratic functions. Learn how to use multiple representations—tables, graphs, and symbolic expressions—as powerful tools to model physical situations and predict patterns.

**MATH435 30 HR**  
List Price ~~\$350~~ Special Price \$199

## Seeing Math™: Quadratic Equations

**Grades 6–12** Move beyond tried-and-true quadratic equation teaching techniques and look at the big picture: what the results reveal, how to interpret them within the context of a problem, and how to find related information. Manipulate the three symbolic forms of a quadratic function in order to inspect and predict shape, orientation, and location, and connect graphic and symbolic representations.

**MATH445 30 HR**  
List Price ~~\$350~~ Special Price \$199

## Seeing Math™: Transformations of Quadratic Functions

**Grades 6–12** Work with families of quadratic functions to help your students understand what makes a function quadratic. Explore the information conveyed by polynomials, vertex and root forms, and assist students in shifting between object and process viewpoints. As a final project, you'll create a lesson plan or action plan applying the strategies learned.

**MATH440 30 HR**  
List Price ~~\$350~~ Special Price \$199



## Curriculum Mapping

### Curriculum Mapping I by Heidi Hayes Jacobs

Teacher Favorite

**Grades K–12** Learn from the expert on curriculum mapping in this first of two courses developed with Dr. Heidi Hayes Jacobs. Understand how to incorporate mapping in classrooms to enrich curricula and have a powerful impact on student performance. Part I explores the history and purpose of curriculum mapping, your role as a teacher, the types of maps, and the various data collected in the maps. You will finish the course with a complete peer-reviewed plan to adjust the scope and sequence of your curriculum to apply in your classroom right away.

**INST300 30 HR**  
List Price \$350 Special Price \$199

### Curriculum Mapping II by Heidi Hayes Jacobs

**Grades K–12** This follow-up to *Curriculum Mapping I* shifts the focus from classroom data mapping to schoolwide curriculum planning and explores the role of curriculum mapping teams. Analyze and refine the data in your curriculum maps, then apply seven phases of review and revision to develop one for your school.

*Note: Curriculum Mapping I by Heidi Hayes Jacobs must be completed before enrollment in this course.*

**INST305 30 HR**  
List Price \$350 Special Price \$199

## General Instructional Strategies

### Utilizing Technology in Creating a Problem-Based Curriculum

**Grades K–12** Apply new strategies to develop your students' problem-solving skills. Discover how technology can enhance their ability to state problems, pose questions, find answers, and ultimately approach learning as a continuous interaction with their world. Then, select a problem for your students to solve and craft a lesson plan that demonstrates the learning process.

**INST130 30 HR**  
List Price \$350 Special Price \$199

### Differentiated Instruction for Middle School Students

**Grades 6–8** Meet the needs of *all* your middle school students with techniques to differentiate content, activities, and assessments. Discover methods for pre-assessment and strategies for tiered activities. Throughout the course you work on your final project: a differentiated instructional unit that meets your local standards of learning.

**INST180 30 HR**  
List Price \$350 Special Price \$199

### Constructing a Learning-Centered Environment

**Grades K–12** This course uses a constructivist teaching model so you can experience this approach firsthand. You will have the opportunity to examine your role as a teacher and that of your students in the legacy model, while reflecting on how these roles may differ from your initial perceptions. You'll become familiar with the principles of constructivism, including student-centered, inquiry-based learning and problem-based learning.

**INST335 30 HR**  
List Price \$350 Special Price \$199

### Building Critical Thinking Skills for Online Research

**Grades K–12** Put 21<sup>st</sup> century skills into practice as you help students get the most from their online research by encouraging their critical thinking and information literacy skills. Explore different information search process models and strengthen your own online research skills. Create an Internet-based model for teaching your students where to find information, how to evaluate it, and how to apply it to their tasks.

**INST125 30 HR**  
List Price \$350 Special Price \$199

### Connecting Family, Community, and Schools

**Grades K–12** Learn the Action Team for Partnership (ATP) model and discover how to engage families and communities in children's education. Examine the "connection" issues, acquire tools to integrate partnership programming into your curriculum, and develop a plan that involves parents, family members, and community resources in your own classroom.

**INST320 30 HR**  
List Price \$350 Special Price \$199

### Creating Units to Support Differing Learning Styles

Teacher Favorite CL

**Grades K–12** Unlock the secrets to developing a curriculum that meets the learning needs of different types of students. Create a cross-curricular unit that integrates technology to support learning, and plan lessons that address the different ways that your students learn. Activities will help you build flexibility into your lesson plans, enabling you to integrate your new knowledge into your instruction.

**INST120 30 HR**  
List Price \$350 Special Price \$199

For more strategies to enhance learning across content areas, see *Teaching Reading in the Content Areas* (RDLA340, page 8) and *Teaching Writing in the Content Areas* (RDLA220, page 14).



### Inquiry-Based Learning in the Classroom

**Grades K–12** Knowledge gained through investigation produces greater student understanding and achievement. Discover the key principles of inquiry-based learning and observe and assess its effectiveness on class lessons and student Web projects. Develop an inquiry facilitation plan for a unit to implement inquiry-based learning in your classroom.

**INST310 30 HR**  
List Price ~~\$350~~ Special Price \$199

### Using Assessment and Evaluation <sup>CL</sup>

**Grades K–12** Delve into the full array of assessment and evaluation tools, including rubrics, journals, formal and informal assessments, and portfolios. Then, create an effective rubric based on an existing student assignment.

**INST325 30 HR**  
List Price ~~\$350~~ Special Price \$199

### Teaching for Multiple Intelligences

**Grades K–12** Discover the advantages of teaching methods that engage multiple intelligences and explore ways to implement them. You will also learn to teach and assess students differently based on their individual intellectual styles.

**INST315 30 HR**  
List Price ~~\$350~~ Special Price \$199

### Improving Learning Through Collaboration

**Grades K–12** Get actionable tips and strategies for applying the key principles of cooperative and collaborative learning in your classroom and incorporating them into your lesson plans.

**INST330 30 HR**  
List Price ~~\$350~~ Special Price \$199

## With Course Licensing You Can Enhance Your Professional Development Program... or Create a New One.

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You may have already seen the "I am a PBS Teacher!" online registration and station membership campaign on your local member PBS station. It's your invitation to participate and contribute to this unique site. As the site evolves and grows, it will become a collaboration hub and professional learning community. Together we will build, use, and comment on content and share best practices for using digital media in teaching and learning.

- **PBS Teachers** ([pbsteachers.org](http://pbsteachers.org)) welcomes all preK-12 educators and provides access to more than 9,000 local and national standards-based teaching activities, lesson plans, on-demand video assets and interactive games and simulations.
- **Discover PBS' popular education blog.** Media Infusion ([pbs.org/mediainfusion](http://pbs.org/mediainfusion)) is a blog focused on practical ways to integrate multimedia resources and technology into the classroom.



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- **New Educator Activity Packs:** PBS Teachers Activity Packs contain more than 30 widgets that include links to PBS resources and a set of activities by grade level. You can "grab" widgets and populate them into your social media sites and Web pages.

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