



PBS Teacher Line Courses English Language Arts and Mathematics

NOTE: The Georgia Department of Education (GaDOE) has reviewed these courses and endorses them as strong professional development classes that are well-aligned to the Georgia Performance Standards. PBS TeacherLine offers classes in science, social studies and other subjects, but those courses have not yet been reviewed by the GaDOE.

ENGLISH LANGUAGE ARTS and LITERACY

Adolescent Literacy

RDLA340: Teaching Reading in the Content Areas (3rd-12th) **3 PLUs**
Enhance your teaching of the GPS in the content area as you explore essential techniques that support a more independent learning and reading of content area text. Explore reading strategies to promote effective learning in mathematics, science, and reading/language arts.

RDLA130: Teaching Reading in Science (3rd-12th) **3 PLUs**
Teach your students to unravel the mysteries and complexities of scientific concepts by training them to understand text organization. In this course, you will learn effective strategies to help your students become successful readers as they master challenging scientific information.

RDLA135: Teaching Reading in Mathematics (3rd-10th) **3 PLUs**
Improve your students' mathematics skills by learning strategies to help struggling students sort ideas, understand text organization, connect text to math concepts and operations, all while tackling challenging reading content. In this course, you will explore strategies that are critical for student achievement in mathematics.

RDLA190: Teaching Narrative and Expository Comprehension (4th-6th) **3 PLUs**
Develop narrative and expository text lesson plans that use a collaborative teaching approach for direct comprehension instruction. In this course, you will learn proven comprehension assessment techniques as you use GPS to plan appropriate instruction for your 4th to 6th graders. (30 hour course)

RDLA192: Teaching Narrative and Expository Text Comprehension (4th-6th) **4 PLUs**
Develop narrative and expository text lesson plans that use a collaborative teaching approach for direct comprehension instruction. In this course, you will learn proven comprehension assessment techniques as you use GPS to plan appropriate instruction for your 4th to 6th graders. (45 hour course)

RDLA215: Effective Writing Instruction (4th-6th) **3 PLUs**

*Find out why this course has been called “a real eye-opener with very practical information.” Explore topics for research writing that capture and maintain the interest of young adolescents. This course focuses on research paper writing and explores the connection that exists between reading and writing. The **GPS** research components are emphasized through the use of technology as well as through the writing process.*

RDLA220: Teaching Writing in the Content Areas (6th-12th) **3 PLUs**

*Welcome writing into all of your **GPS** content area classes as you develop a practical plan for making this happen. In this course, you will learn how to teach students effective writing strategies, including finding the time to write. Sound techniques for evaluating writing as well as methods for promoting writing will be investigated.*

RDLA225: Teaching Writing in Science (6th-12th) **3 PLUs**

*Help your students understand **GPS** concepts in science by integrating writing instruction into the science classroom. This course will enable you to learn to assess your students’ understanding of scientific concepts by developing a plan in which persuasive writing is integrated into the lessons.*

RDLA230: Teaching Writing in Mathematics (6th-12th) **3PLUs**

*Master the technique of integrating writing into mathematics. This course will allow you to discover the tools you need to make the integration of writing in mathematics not only successful but also meaningful as the students comprehend the **GPS** through the skills learned through the organization and communication of mathematical ideas.*

Pre-Kindergarten Literacy

RDLA044: Read with Me: Developing Early Literacy with Children **8 Contact Hours**

Learn to help children discover early literacy while having fun reading, singing, and sharing stories. This course supports early PreK Literacy and is designed for preschool teachers who want to have fun while teaching the components of speaking, listening, and viewing.

RDLA056: Raising Readers: Ready to Read and Write with Digital Media **1 PLU**

Enhance early literacy skills through the use of digital media. This course supports early literacy through the use of digital media as a teaching tool to help young children develop essential early literacy and reading skills.

MATHEMATICS

General Math Instruction

MATH 165 Enabling Students with Special Needs to Succeed in Math Class (4th -8th) **3 PLUs**

Learn to assist students with special needs to be successful in your GPS mathematics classroom. This course makes mathematics accessible and understandable for all students, including those with disabilities.

Algebra Strand

MATH 136 Patterns and Relations (6th -8th) **1 PLU**

Assist your students in getting to the core of algebra as they learn to represent, analyze, and generalize a variety of patterns. In this course, you will solve sample pattern problems and connect the mathematics explored in the course with the GPS curriculum.

MATH 156 The Concept of Function (9th -12th) **1 PLU**

Explore new ways of presenting the concept of function that builds on the GPS framework tasks. In this course, you will have the opportunity to examine theories of function as a process, a mathematical object, and a tool for description and prediction.

MATH 410 Seeing Math™: Linear Functions (6th -12th) **3 PLUs**

Discover a fresh approach to teaching linear functions through the use of real-world problems. In this course, you will learn how multiple representations and solutions can strengthen students' understanding of functions, equations, and problem-solving.

MATH 415 Seeing Math™: Transformations of Linear Functions (6th -12th) **3 PLUs**

Help your students grasp the symbolic representations of functions while representing families of linear functions in multiple formats. Participants of this course will observe and discuss videos of students to analyze student thinking and to explore strategies for addressing their misconceptions.

Statistics Strand

MATH 150 Making Comparisons with Data Analysis (6th -8th) **3 PLUs**

Find out what data analysis concepts your students understand and where they will likely struggle. This course offers the opportunity to explore concepts integral to making comparisons, including distributions and measures of spread, measures of center, graphic representation and interpretation, and communication of data-based conclusions.

MATH 216 The Odds are Good: Probability (6th -8th) **1 PLU**

Discover techniques to develop lessons about probability that meet the NCTM standards and align with GPS. In this course, participants use technology as a teaching tool and incorporate new pedagogical strategies for teaching probability.

MATH 455 Seeing Math™: Data Analysis (6th -12th)

3 PLUs

Teach your students what the measures of central tendency tell them about data. In this course, you will learn effective measures for encouraging students to look beyond individual data points to see what is meant by the center of a data set, how it is found, and how it is useful when analyzing data.

Geometry Strand

MATH 240 Measurement: Surface Area and Volume (6th -8th)

3 PLUs

Help your students understand the concepts of surface area and volume using nets/maps, interactive and the van Hiele model of geometric thought. This course utilizes PBS' resources to assist participants in creating lessons on surface area and volume and to address the needs of students with mathematics disabilities.

Number and Operations Strand

MATH 171 Proportional Reasoning (6th -8th)

1 PLU

Learn new ways to teach ratio, proportion and percents. This course targets student misconceptions about proportionality, looks at various student approaches to proportion problems, and guides participants in crafting a lesson plan designed to teach the concept of proportion using newly acquired knowledge.

MATH 246 Rational Numbers, Fractions, Decimals, and Percents (6th -8th)

1 PLU

Teach your students to unravel the mysteries of rational numbers, including fractions, decimals, and percents. In this course, you will use sample problems to build your understanding of how students approach their study of rational numbers, and to learn practical, proven ways to redirect their thinking.