



**Kendall Hunt**  
publishing company

# Talented and Gifted

**Kendall Hunt is the premier provider of research-based, award-winning curriculum for high-ability learners in language arts, science, social studies, and mathematics.**

# Choose High-Quality Programs for Your High-Ability Learners

## New Language Arts and Math Units are Now Available





## Advance primary students' mathematical understanding and achievement in geometry and measurement

*Project M<sup>2</sup>: Mentoring Young Mathematicians* is a supplemental series of six curriculum units designed to foster inquiry and engage students in critical thinking, problem solving, and communication activities.

Aligned to the Common Core State Standards for geometry and measurement, *Project M<sup>2</sup>* units are focused on “in-depth” mathematics using research-based practices and standards in mathematics education and early childhood education. At each grade level, one unit focuses on geometry and the other on measurement as key areas of emphasis.

Through the use of engaging characters who guide students through the curriculum, students are led to new learning environments where they can develop reasoning and communication skills related to each area of emphasis.

The *Project M<sup>2</sup>* curriculum is part of a research study conducted by the Neag



School of Education at the University of Connecticut. Research with schools currently using *Project M<sup>2</sup>* has demonstrated that Level 1 and Level 2 intervention groups showed significant gains from pre to post testing across all schools on the geometry and measurement sections and total open-response assessment.

### LEVEL K

In Kindergarten, frogonauts Fonzie and Freeda will involve kindergarten students in investigations, Space Labs, and choice centers as they explore shapes and develop the geometry concepts involved in identifying and describing 2- and 3-dimensional shapes, composing and decomposing shapes, spatial orientation, and visualization.

They will also work with Freeda and Fonzie to help them make decisions throughout the measurement unit as they learn beginning measurement concepts and processes associated with



**M. Katherine Gavin, Tutita M. Casa, Suzanne H. Chapin, and Linda Jensen Sheffield**

the attributes of length, area, capacity, and volume.

**LEVEL 1** introduces Imi and Zani, a macaw and toucan from the Amazon rain forest who help students learn about two-dimensional shapes and develop an understanding of the properties of shapes, the relationships among shapes, symmetry, and congruence. Imi and Zani also help



students come to understand the concepts of measurement and the skills involved in the measurement process as they prepare a School Measurement Fair.



In **LEVEL 2**, meerkats Dru and Teller work with students to create a Shape Gallery for the Sensational Math Institute for Learning and Exploration (SMILE), the meerkats' children's museum. Students advance their geometric thinking through continued work with shapes and their properties and develop their mathematical communication skills through communication with the meerkats. Dru and Teller also help students explore the measurement concepts of length, area, and capacity.



Also see *Project M<sup>2</sup>: Mentoring Mathematical Minds* on pages 5-8

**Project M<sup>2</sup> helps educators:**

- Foster inquiry and engage primary students in critical thinking, problem solving, and communication
- Develop students' understanding of geometry and measurement content and processes
- Support young students' real-world experiences
- Increase mathematics achievement of all K-2 students
- Target the participation of traditionally under-represented students in advanced mathematics curriculum, including minorities, those from low SES backgrounds, and second language learners



This program was developed with funding from the National Science Foundation.

**LEVEL K**

**Sizing up the Lily Pad Space Station: Measuring with the Frogonauts**

- Student Mathematician's Journal* - . . . . . 978-0-7575-9945-3 . . . . . \$9.20
- Teacher Resource Pack* . . . . . 978-0-7575-9960-6 . . . . . \$34.75
- Teacher Guide Pack* . . . . . 978-0-7575-9956-9 . . . . . \$117.42

**Exploring Shapes in Space: Geometry with the Frogonauts**

- Student Mathematician's Journal* - . . . . . 978-1-4652-0861-3 . . . . . \$9.20
- Teacher Resource Pack* . . . . . 978-1-4652-0867-5 . . . . . \$34.75
- Teacher Guide Pack* . . . . . 978-1-4652-0864-4 . . . . . \$117.42

**LEVEL 1**

**Exploring Shape Games: Geometry with Imi and Zani**

- Student Mathematician's Journal* - . . . . . 978-0-7575-8821-1 . . . . . \$9.20
- Teacher Resource Pack* . . . . . 978-0-7575-8846-4 . . . . . \$34.75
- Teacher Guide Pack* . . . . . 978-0-7575-8843-3 . . . . . \$117.42

**Exploring Number Games: Making Sense of Numbers with Imi & Zani**

- Student Mathematician's Journal* - . . . . . 978-1-5249-1000-6 . . . . . \$9.20
- Teacher Resource Pack includes Word Walls and Hint & Think Beyond Cards* . . . . . 978-1-5249-1211-6 . . . . . \$34.75
- Teacher Guide Pack includes Teacher Guide and Scrapbook* . . . . . 978-1-5249-1212-3 . . . . . \$117.42

**Creating the School Measurement Fair: Measuring with Imi & Zani**  
*Student Mathematician's Journal* -

- . . . . . 978-0-7575-9539-4 . . . . . \$9.20
- Teacher Resource Pack* . . . . . 978-0-7575-9545-5 . . . . . \$34.75
- Teacher Guide Pack* . . . . . 978-0-7575-9542-4 . . . . . \$117.42

**LEVEL 2**

**Designing a Shape Gallery: Geometry with the Meerkats**

- Student Mathematician's Journal* - . . . . . 978-0-7575-7174-9 . . . . . \$9.20
- Teacher Resource Pack* . . . . . 978-0-7575-7636-2 . . . . . \$34.75
- Teacher Guide Pack* . . . . . 978-0-7575-7803-8 . . . . . \$117.42

**Using Everyday Measures: Measuring with the Meerkats**

- Student Mathematician's Journal* - . . . . . 978-0-7575-7178-7 . . . . . \$9.20
- Teacher Resource Pack* . . . . . 978-0-7575-8016-1 . . . . . \$34.75
- Teacher Guide Pack* . . . . . 978-0-7575-8013-0 . . . . . \$117.42

**Shopping at the Bazaar: Connecting Number and Algebra with the Meerkats**  
*Student Mathematician's Journal* -

- . . . . . 978-1-5249-1002-0 . . . . . \$9.20
- Teacher Resource Pack includes Word Walls and Hint & Think Beyond Cards* . . . . . 978-1-5249-1229-1 . . . . . \$34.75
- Teacher Guide Pack includes Teacher Guide and Scrapbook* . . . . . 978-1-5249-1230-7 . . . . . \$117.42



Materials kits are available for this program. Call us to learn more!

## Help your high-ability learners reach their mathematics potential

*Project M<sup>3</sup>: Mentoring Mathematical Minds* is a series of curriculum units developed to motivate and challenge mathematically talented students at the elementary level.

It has long been recognized as one of the nation's top programs in gifted mathematics education, and now available in *Flourish*, it delivers even more ways for teachers to motivate and challenge advanced students in grades 3-6.

Supporting the Common Core Standards and based on NAGC exemplary practices, *Project M<sup>3</sup>* facilitates learning with a digital eBook for teachers that provides organization and suggested pacing for each unit, includes rubrics, and differentiates instruction.

The curriculum features explorations of simulated or real-life problems so students can actively solve them in the same ways that practicing mathematicians do.

And with *Flourish*, teachers can integrate interactive activities on whiteboards or in computer labs that reinforce the learning process.

*Project M<sup>3</sup>* also emphasizes the importance of mathematical communication, both verbally and in written form. Along with discussing mathematical ideas and concepts, students will keep a written journal that helps develop their written communication skills as well as make sense of the mathematics they've learned.

Research conducted on *Project M<sup>3</sup>* demonstrated a significant increase in student understanding across all mathematical concepts from pre- to post-testing.

Students using the curriculum consistently outperformed a group of like-ability students who did not use *Project M<sup>3</sup>* on standardized testing and open-response items from international and national tests.



**M. Katherine Gavin, Suzanne H. Chapin, Judith Dailey, and Linda Jensen Sheffield**

### *Project M<sup>3</sup>* provides:

- Teacher Guides that make lesson planning easy and differentiate instruction
- Student Mathematician's Journals that help students process new concepts in the same way that practicing mathematicians do
- Interactive activities that extend the learning process by allowing students to visualize concepts introduced in lessons
- Hint Cards and Think Beyond Cards to aid differentiation and challenge students

For **gifted language arts, science, and social studies** curriculum, see pages 11-31

**NEW &  
REVISED UNITS**  
See page 8

Project M<sup>3</sup> units will challenge and engage talented mathematics students

Number and Operations	Algebra	Data, Statistics and Probability	Geometry and Measurement	Ratios and Proportional Reasoning
<p>Unraveling the Mystery of the MoLi Stone: Exploring Place Value and Numeration <b>Level 3-4</b></p> <p>Factors, Multiples and Leftovers: Linking Multiplication and Division <b>Level 3-4</b></p> <p>How Big Is Big? Understanding and Using Large Numbers <b>Level 3-4</b></p> <p>The Tenth Street Pet Sanctuary: Understanding and Using Decimals <b>Level 4-5</b></p> <p>Treasures From the Attic: Exploring Fractions <b>Level 4-5</b></p>	<p>Awesome Algebra: Looking for Patterns and Generalizations <b>Level 3-4</b></p> <p>At the Mall With Algebra: Working with Variables and Equations <b>Level 4-5</b></p> <p>Record Makers and Breakers: Analyzing Graphs, Tables and Equations <b>Level 5-6</b></p>	<p>Digging for Data: Collecting, Displaying and Analyzing Data <b>Level 3-4</b></p> <p>What Are Your Chances? Probability in Action <b>Level 5-6</b></p>	<p>In Search of the Yeti: Measuring Up, Down and All Around <b>Level 3-4</b></p> <p>Getting Into Shapes: Exploring Relationships Among 2-D and 3-D Shapes <b>Level 4-5</b></p> <p>Designer Boxes: Exploring Volume and Surface Area <b>Level 5-6</b></p>	<p>Fun at the Carnival: Using Proportional Reasoning <b>Level 5-6</b></p> <p>Our Environment Matters: Making Sense of Percents <b>Level 5-6</b></p>

All Project M<sup>3</sup> units support the Common Core Standards for Mathematical Practice

## Teacher eBooks

### LEVEL 3-4

**3 YEAR ONLINE LICENSE** . . . . . \$180.79

- Unraveling the Mystery of the MoLi Stone:**  
 Place Value and Numeration . . . . . 978-1-4652-8037-4  
 Factors, Multiples, and Leftovers: Linking Multiplication and Division . . . . . 978-1-4652-8040-4  
 How Big is Big: Understanding and Using Large Numbers . . . . . 978-1-4652-8039-8  
 Awesome Algebra: Looking for Patterns and Generalizations . . . . . 978-1-4652-8038-1  
 In Search of the Yeti: Measuring Up, Down and All Around . . . . . 978-1-4652-8051-0  
 Digging for Data: Collecting, Displaying and Analyzing Data . . . . . 978-1-4652-8041-1

**EBOOK + PRINT EDITION** . . . . . \$190.79

- Unraveling the Mystery of the MoLi Stone:**  
 Place Value and Numeration . . . . . 978-1-4652-8075-6  
 Factors, Multiples, and Leftovers: Linking Multiplication and Division . . . . . 978-1-4652-8081-7  
 How Big is Big: Understanding and Using Large Numbers . . . . . 978-1-4652-8078-7  
 Awesome Algebra: Looking for Patterns and Generalizations . . . . . 978-1-4652-8076-3  
 In Search of the Yeti: Measuring Up, Down and All Around . . . . . 978-1-4652-8090-9  
 Digging for Data: Collecting, Displaying and Analyzing Data . . . . . 978-1-4652-8082-4

## Print Components

### LEVEL 3-4

#### Unraveling the Mystery of the MoLi Stone: Place Value & Numeration

- Student Mathematician's Journal . . . . . 978-1-4652-6197-7 . . . \$9.95  
 Hint & Think Beyond Cards . . . . . 978-1-4652-6601-9 . . . \$36.16

#### Factors, Multiples, and Leftovers: Linking Multiplication and Division

- Student Mathematician's Journal . . . . . \$9.95  
 Hint & Think Beyond Cards . . . . . \$36.16

#### How Big is Big: Understanding and Using Large Numbers

- Student Mathematician's Journal . . . . . \$9.95  
 Hint & Think Beyond Cards . . . . . \$36.16

#### Awesome Algebra: Looking for Patterns and Generalizations

- Student Mathematician's Journal . . . . . \$9.95  
 Hint & Think Beyond Cards . . . . . \$36.16

#### In Search of the Yeti: Measuring Up, Down and All Around

- Student Mathematician's Journal . . . . . \$9.95  
 Hint & Think Beyond Cards . . . . . \$36.16

#### Digging for Data: Collecting, Displaying and Analyzing Data

- Student Mathematician's Journal . . . . . \$9.95  
 Hint & Think Beyond Cards . . . . . \$36.16

### LEVEL 4-5

**3 YEAR ONLINE LICENSE** . . . . . \$180.79

- The Tenth Street Pet Sanctuary:**  
 Understanding and Using Decimals . . . . . 978-1-4652-8045-9  
**At the Mall with Algebra:**  
 Working with Variables and Equations . . . . . 978-1-4652-8042-8  
**Treasures from the Attic: Exploring Fractions** . . . . . 978-1-4652-8046-6  
**Getting Into Shapes:**  
 Exploring Relationships Among 2-D and 3-D Shapes. . . . . 978-1-4652-8044-2

**EBOOK + PRINT EDITION** . . . . . \$190.79

- The Tenth Street Pet Sanctuary:**  
 Understanding and Using Decimals . . . . . 978-1-4652-8085-5  
**At the Mall with Algebra:**  
 Working with Variables and Equations . . . . . 978-1-4652-8083-1  
**Treasures from the Attic: Exploring Fractions** . . . . . 978-1-4652-8086-2  
**Getting Into Shapes:**  
 Exploring Relationships Among 2-D and 3-D Shapes . . . . . 978-1-4652-8084-8

### LEVEL 4-5

#### The Tenth Street Pet Sanctuary: Understanding and Using Decimals

- Student Mathematician's Journal . . . . . \$9.95  
 Hint & Think Beyond Cards . . . . . \$36.16

#### At the Mall with Algebra: Working with Variables and Equations

- Student Mathematician's Journal . . . . . \$9.95  
 Hint & Think Beyond Cards . . . . . \$36.16

#### Treasures from the Attic: Exploring Fractions

- Student Mathematician's Journal . . . . . \$9.95  
 Hint & Think Beyond Cards . . . . . \$36.16

#### Getting Into Shapes: Exploring Relationships Among 2-D and 3-D Shapes

- Student Mathematician's Journal . . . . . \$9.95  
 Hint & Think Beyond Cards . . . . . \$36.16



**Materials kits are available for this program. Call us to learn more!**



**LEVEL 5-6**

**3 YEAR ONLINE LICENSE** . . . . . \$180.79

**Record Makers and Breakers:**

- Analyzing Graphs, Tables and Equations . . . . . 978-1-4652-8048-0
- Fun at the Carnival: Using Proportional Reasoning . . . . . 978-1-4652-8049-7
- Designer Boxes: Exploring Volume & Surface Area . . . . . 978-1-4652-8053-4
- What Are Your Chances? Probability in Action . . . . . 978-1-4652-8050-3
- Our Environment Matters: Making Sense of Percents . . . . . 978-1-4652-8052-7

**eBOOK + PRINT EDITION** . . . . . \$190.79

**Record Makers and Breakers:**

- Analyzing Graphs, Tables and Equations . . . . . 978-1-4652-8087-9
- Fun at the Carnival: Using Proportional Reasoning . . . . . 978-1-4652-8088-6
- Designer Boxes: Exploring Volume & Surface Area . . . . . 978-1-4652-8092-3
- What Are Your Chances? Probability in Action . . . . . 978-1-4652-8089-3
- Our Environment Matters: Making Sense of Percents . . . . . 978-1-4652-8091-6

**LEVEL 5-6**

**Record Makers and Breakers: Analyzing Graphs, Tables and Equations**

- Student Mathematician's Journal . . . . . \$9.95
- Hint & Think Beyond Cards . . . . . \$36.16

**FUN AT THE CARNIVAL: USING PROPORTIONAL REASONING**

- Student Mathematician's Journal . . . . . \$9.95
- Hint & Think Beyond Cards . . . . . \$36.16

**Designer Boxes: Exploring Volume & Surface Area**

- Student Mathematician's Journal . . . . . \$9.95
- Hint & Think Beyond Cards . . . . . \$36.16

**What Are Your Chances? Probability in Action**

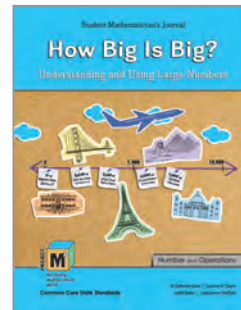
- Student Mathematician's Journal . . . . . \$9.95
- Hint & Think Beyond Cards . . . . . \$36.16

**Our Environment Matters: Making Sense of Percents**

- Student Mathematician's Journal . . . . . \$9.95
- Hint & Think Beyond Cards . . . . . \$36.16

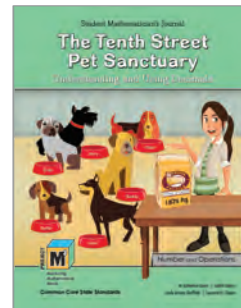
## Explore Our Three Newest Units

Written to the CCSS, these new and revised units address all eight of the Standards for Mathematical Practice, which play a major role in unit investigations.



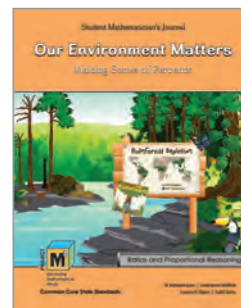
### How Big is Big: Understanding and Using Large Numbers

Students are introduced to numbers from 1,000 to 1,000,000 using a variety of models and operations. They will apply their previous understanding of place value and extend their learning of the relative size of numbers in each place up to one million.



### The Tenth Street Pet Sanctuary: Understanding and Using Decimals

This unit provides an introduction to the decimal numeration system, focusing on conceptual understanding and operations with decimals. Students will learn how the powers of ten are used to create decimals and understand the role of the decimal point as the marker for the end of whole numbers.



### Our Environment Matters: Making Sense of Percents (Level 5-6)

In this unit, students explore percents as part of the study of ratios and proportional reasoning. Students will make connections to number concepts and algebra and connect percents to different representations of the same number using fractions and decimals. They will also use double number lines, bar models (tape diagrams), and equations, to make sense of situations that involve percents.



Looking for a middle school math content for your gifted learner? *Math Innovations* is a coherent, focused, and CCSS-aligned program designed to help middle grade students achieve a richer and deeper understanding of mathematics. They will learn to think and act like practicing mathematicians with a challenging curriculum that:

- **Focuses on high-level critical and creative thinking** Creates a community of mathematical learners who grapple with rich problems in class discussions
- **Develops students' written communication skills** to include justification of their mathematical reasoning, development of creative mathematical problems, and ways to solve them.
- **Addresses the Standards for Mathematical Practice** in every lesson, including the recently proposed ninth practice - creativity.
- **Extends learning** with challenging "Think Beyond" activities in every lesson.

15.  $\frac{1}{4}$  of a pole is in the mud and  $\frac{3}{5}$  of the pole is in water: 14 feet of the pole is in the air. What is the total length of the pole?

14 feet  
water  
 $\frac{1}{4}$  mud  
 $\frac{3}{5}$

**Think Beyond**

16. One-fourth of a number is 10 more than  $\frac{1}{5}$  of the number. What is the number? Explain your thinking.

**Hint**  
See page 110

16. There are 18 boys on a field trip to the museum. This is  $\frac{2}{3}$  of the total number of students on the trip. How many girls are on the museum field trip? Show your work.

Lesson 1 - Multiplying Fractions - Lesson 1-1 11

**LESSON 1.1 SECTION 1.1 On Your Own**

**Think Back**

19. a) What number is 1,000 more than 99,452?  
b) What number is 100 less than 30,049?  
c) What number is 10 less than 10,002?

20. Which of the following has 6 as a factor?  
A. 45  
B. 69

a)  $52 + n = 5,200$   
b)  $520 + n = 52$   
c)  $5,200 + n = 52$   
d)  $52 + n = 520$

22. Find the value of  $n$ :  
 $-n = 24 + 18 + 3 \cdot 2$

23. Write as a decimal:  
 $5 + \frac{6}{1,000} + \frac{5}{10}$

## Fraction Times Student Edition

Research indicates that students become best prepared for algebra when there is an understanding of major middle grades concepts in an integrated and logical fashion across grade levels. The units in Math Innovations allow students to focus on essential topics as they progress naturally through an appropriate development sequence of instruction.

# Looking for a middle school math program for accelerated students?



## Contact us today for more information

## Meet high-ability learners' needs with advanced curriculum

The Center for Gifted Education at William & Mary has developed exemplary curriculum frameworks and units of study for classroom use with high-ability learners since 1987.

Curriculum materials for language arts, social studies, and science were developed with the educator in mind, providing all the necessary tools to teach the high-ability learner.

The William & Mary curriculum was carefully developed through years of research and field testing. It is based on the **Integrated Curriculum Model (ICM)**, which is designed to respond to gifted learners' characteristics of precocity, intensity, and complexity. The ICM model represents three interrelated dimensions, including:

- 1) advanced content,
- 2) higher level processes and product development, and
- 3) issues and themes connected to interdisciplinary concepts.

Curriculum development has involved teams of content specialists and educators in writing and field testing units. Many Center materials have been recognized for their quality and enhancement of student achievement by the United States Department of Education and the National Association for Gifted Children.

Each program is written to address grade-level standards as well as those two grades above grade level, and offer a variety of individual titles from which to choose. Curriculum Guides provide an introduction to the William & Mary program along with frameworks, assessments, and resources. Teacher Guides support instruction, and some units offer Student Guides that contain content on which lessons are based and activity pages that expand upon lesson content.

A variety of assessment options are available throughout the William & Mary curriculum. Resources and rubrics help teachers guide instruction while accurately assessing student progress.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Persuasive Writing Preassessment**

**1D**

**Directions:** Write a paragraph to answer the following question. State your opinion, include three reasons for your opinion, and write a conclusion to your paragraph.

Do you think the poem "The Road Not Taken" by Robert Frost should be required reading for all students in your grade?

# WILLIAM & MARY

*Center for Gifted Education*

## Language Arts

The William & Mary language arts units focus on analytic and interpretive skills in literature, persuasive writing skills, linguistic competency, listening/oral communication skills, reasoning skills, and understanding an overarching concept.

Through the use of graphic organizers, students are better able to write persuasively, analyze and interpret literature, understand and enhance vocabulary, develop issue-based research products and presentations, and analyze situations within a fiction or nonfiction text.

Reading selections were chosen because of their readability levels, connection to an overarching concept, and multicultural emphases. The language arts units also incorporate advanced



content-based thinking models such as a literature web and a vocabulary web to help students understand and analyze text and words.

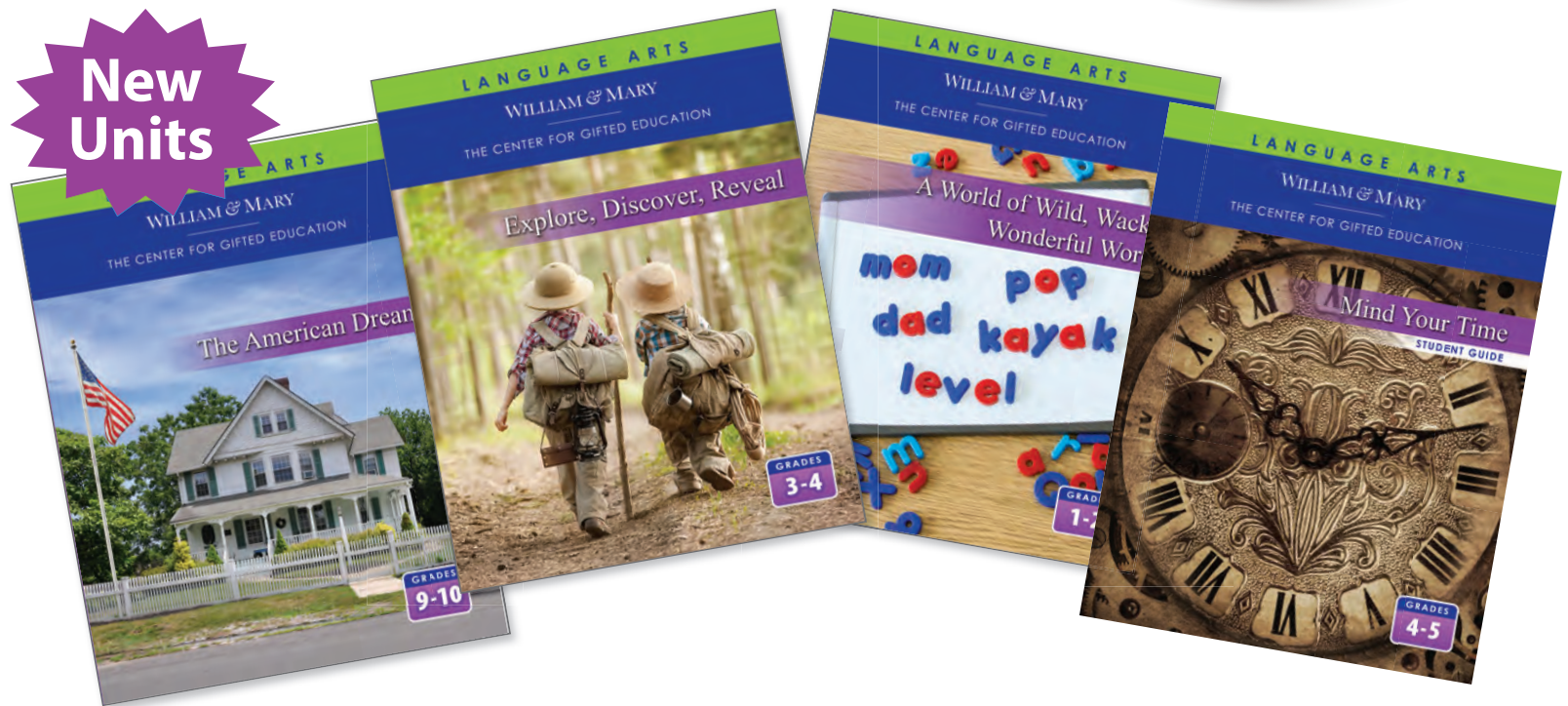
By using a persuasive writing model, students learn to articulate ideas by providing at least three key ideas, evidence or elaboration, and an appropriate introduction and conclusion. Students who are more sophisticated in their writing and thinking may add counterpoints within the model as part of reasoning and elaboration.

**William & Mary Language Arts units have been shown to help students:**

- Increase learning gains in critical thinking and reading comprehension
- Demonstrate statistically significant achievement in literary analysis
- Learn to effectively articulate ideas through persuasive writing

**For gifted math curriculum,  
see pages 3-10.**

Ask about our New  
Digital Component  
for William and Mary



## Build present understanding by analyzing the past

The William & Mary social studies units emphasize concept development, critical thinking, and primary source analysis within the context of high-level content and reflect the focus of national standards in social studies on historical thinking and research and on the integration of major concepts across disciplines.

When students encounter events within curriculum readings, the units guide students in analyzing the situation by looking at different points of view. Students may reason through a situation using a graphic organizer to analyze an historical situation or event through multiple stakeholder perspectives.

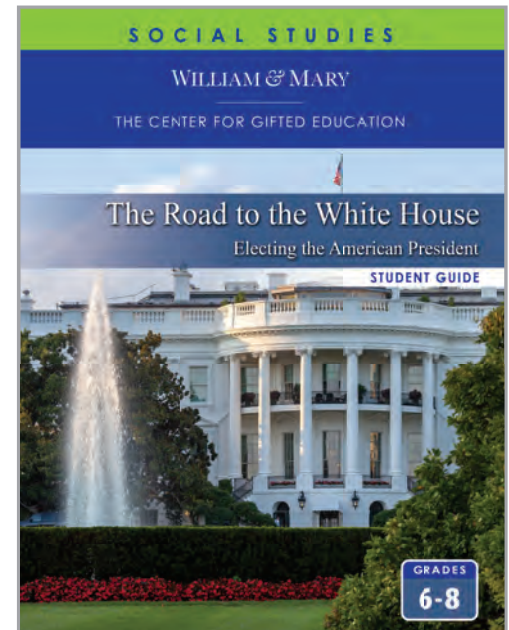
After analyzing a situation, students may be required to take a side or write a persuasive essay from the perspective

of one of the stakeholders, thus, incorporating the additional advanced process of articulating the perspectives in a cohesive manner. Persuasive writing opportunities vary by unit content.

The William & Mary social studies units develop a broad understanding of concepts, such as systems and cause and effect. Students examine relationships to events and eras in history as an essential area of focus. Sample systems discussions include the exploration of the silk trade as a type of economic system, comparison of European colonist and Native American social systems, and comparison of the American political system with that of other democracies. Sample cause and effect discussions include causes of the American Revolution, effects of the Declaration of Independence, causes of the stock market crash, and effects of the Dust Bowl.

### **William & Mary social studies units provide:**

- Advanced content through the use of primary source documents
- Strategies that build critical thinking, conceptual thinking, and content learning skills
- Ways to analyze events and situations from a variety of viewpoints



**Center for Gifted Education**

**For gifted math curriculum, see pages 3-10.**

## Use problem-based learning to build scientific inquiry and reasoning skills

The William & Mary science curriculum features ambiguous, problem-based learning scenarios. As active investigators, students must take on the role of scientists to solve problems through scientific inquiry. Advanced, in-depth content and a connection to an overarching concept, such as systems, are also emphasized.

Advanced content is infused within the science curriculum to help students develop expertise in science based on research standards. They will also learn to develop reasoning skills with real-world applications to science.

The units introduce real-world problems to initiate scientific investigation. All units incorporate a problem-based learning scenario as the organizer for discussion of content and scientific investigation.

### **William & Mary science units provide:**

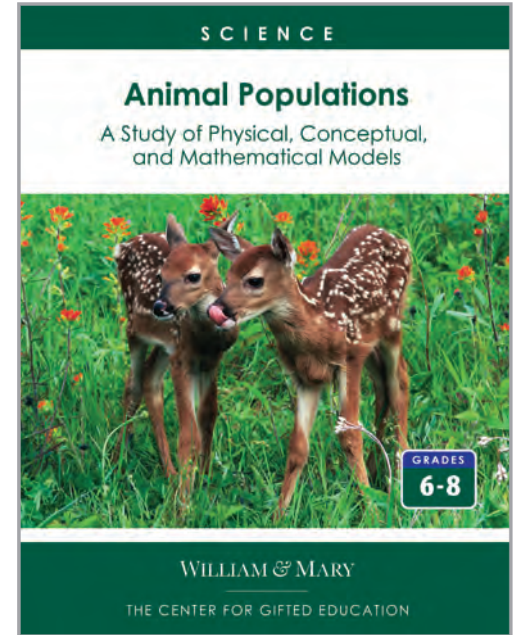
- Understand the concept of systems or change
- Apply the basic principles of experimental design and investigation
- Develop reasoning skills with real-world applications to science

Students not only focus on specific content learning in science, but they also develop scientific investigation skills as they pose questions and then conduct experiments to answer those questions. They also identify independent and dependent variables, constants, and controls as a guide for quality investigations.

Examples of systems discussions and applications within the science units include how an acid spill affects the environmental system, how electrical systems impact one another, or how the human body systems are interrelated.



**Materials kits are available for some units of this program. Call us to learn more!**



**Center for Gifted Education**



### Language Arts 1-12, 2nd Edition

Language Arts Curriculum Guide	978-0-7575-6483-3	<b>\$20.00</b>	_____	_____
On Demand Professional Development Webinar	<b>T41237</b>	<b>\$20.00</b>	_____	_____

### Beyond Words

Beyond Words (Gr 1-2) Teacher Guide (print)	978-0-7575-6605-9	<b>\$99.14</b>	_____	_____
Beyond Words Teacher Guide 1 Year License with Student Guide File	978-1-4652-1725-8	<b>\$245</b>	_____	_____
Beyond Words (Gr 1-2) Student Guide	978-0-7575-6608-0	<b>\$19.95</b>	_____	_____
<b>Beyond Words Essential Book Titles - FOR EACH STUDENT</b>				
Frindle	0689818769 200531	<b>\$8.66</b>	_____	_____
<b>Beyond Words Essential Book Titles - FOR CLASSROOM (at least 1 copy of each needed for classroom)</b>				
It Looked Like Spilt Milk	0064431592 200144	<b>\$8.66</b>	_____	_____
Cloud Dance	<i>not available*</i>		_____	_____
Many Luscious Lollipops	0698116410 200357	<b>\$11.14</b>	_____	_____
Baloney (Henry P.)	0142404306 200530	<b>\$8.66</b>	_____	_____
Owl Moon	0399214577 200532	<b>\$21.06</b>	_____	_____
Amelia Bedelia	0064441555 200533	<b>\$4.94</b>	_____	_____
Dear Deer	<i>not available*</i>		_____	_____
Old Elm Speaks	0618752420 201200	<b>\$7.38</b>	_____	_____
Follow the Drinking Gourd	0679819975 200475	<b>\$9.90</b>	_____	_____
Sweet Clara and the Freedom Quilt	0679874720 201201	<b>\$8.66</b>	_____	_____
Flotsam	0618194576 201202	<b>\$22.30</b>	_____	_____
The Mysteries of Harris Burdick	0395353939 200536	<b>\$23.50</b>	_____	_____
Flicker Flash	0618311025 201203	<b>\$8.62</b>	_____	_____
Doodle Dandies	0689848897 200537	<b>\$9.90</b>	_____	_____

Quantity

Total

**A World of Wild, Wacky, Wonderful Words**

**Quantity Total**

<b>A World of Wild, Wacky, Wonderful Words(1-2) Teacher Guide (print)</b>	978-1-4652-6810-5		<b>\$99.14</b>	_____	_____
<b>A World of Wild, Wacky, Wonderful Words Teacher Guide 1 Year License with Student Guide File</b>				_____	_____
	978-1-5249-1803-3		<b>\$245</b>	_____	_____
<b>A World of Wild, Wacky, Wonderful Words(1-2) Student Guide</b>	978-1-4652-6809-9		<b>\$19.95</b>	_____	_____
<b>A World of Wild, Wacky, Wonderful Words Essential Book Titles - FOR EACH STUDENT</b>					
<b>On Beyond Zebra</b>	9780394800844	201704	<b>\$16.44</b>	_____	_____
<b>A World of Wild, Wacky, Wonderful Words Essential Book Titles - FOR READ-ALOUD</b>					
<b>Word Wizard</b>	9780618689248	201705	<b>\$7.68</b>	_____	_____
<b>The War Between The Vowels and The Consonants</b>	9780374482176	201706	<b>\$9.88</b>	_____	_____
<b>If You Were A Noun</b>	9781404819801	201707	<b>\$8.74</b>	_____	_____
<b>Mine, All Mine: A Book About Pronouns</b>	9780698117976	201708	<b>\$9.88</b>	_____	_____
<b>Kites Sail High: A Book About Verbs</b>	9780698113893	201709	<b>\$9.88</b>	_____	_____
<b>Aunt Flossie's Hats (And Crab Cakes Later)</b>	9780395720776	201712	<b>\$8.74</b>	_____	_____
<b>If You Were An Adverb</b>	9781404819832	201713	<b>\$8.74</b>	_____	_____
<b>Scranimals</b>	9780060753689	201714	<b>\$7.68</b>	_____	_____
<b>Seeker of Knowledge: The Man Who Deciphered Egyptian Hieroglyphs</b>				_____	_____
	9780618333455	201715	<b>\$7.64</b>	_____	_____
<b>Fantastic! Wow! And Unreal! A Book About Interjections and Conjunctions</b>					
	9780698118751	201716	<b>\$9.88</b>	_____	_____
<b>Behind The Mask: A Book About Prepositions</b>	9780698116986	201717	<b>\$9.88</b>	_____	_____
<b>One Tiny Turtle</b>	9780763623111	201718	<b>\$7.68</b>	_____	_____
<b>Some Smug Slug</b>	9780064435024	201719	<b>\$7.68</b>	_____	_____
<b>The Z Was Zapped</b>	9780395446126	201720	<b>\$20.84</b>	_____	_____
<b>Dooby Dobby Moo</b>	9781481414562	201721	<b>\$10.98</b>	_____	_____
<b>Manana, Iguana</b>	9780823419807	201722	<b>\$8.78</b>	_____	_____
<b>Sequoyah: The Cherokee Man Who Gave His People Writing</b>					
	9780618369478	201723	<b>\$19.78</b>	_____	_____
<b>Max's Words</b>	9780374399498	201724	<b>\$19.78</b>	_____	_____
<b>Yertle the Turtle, and Other Stories</b>	9780394800875	201725	<b>\$16.44</b>	_____	_____
<b>Bonjour Mr. Satie</b>	not available*			_____	_____
<b>Weighty Word Book</b>	not available*			_____	_____

**Journey & Destinations**

<b>Journeys &amp; Destinations (2-3) Teacher Guide (print)</b>	978-0-7575-6600-4	<b>\$99.14</b>
<b>Journeys and Destinations Teacher Guide 1 Year License with Student Guide File</b>	978-1-5249-1932-0	<b>\$245</b>
<b>Journeys &amp; Destinations (2-3) Student Guide</b>	978-0-7575-6599-1	<b>\$19.95</b>
<b>Journeys &amp; Destinations Essential Book Titles - FOR EACH STUDENT</b>		
<b>The Green Book</b>	0374428026 200538	<b>\$8.66</b>
<b>Journeys &amp; Destinations Essential Book Titles - FOR SMALL GROUPS (at least 1 copy per group needed)</b>		
<b>Free Fall</b>	068810990X 200539	<b>\$8.66</b>
<b>Journeys &amp; Destinations Essential Book Titles - FOR READ-ALLOUD</b>		
<b>The Memory String</b>	0395861462 201140	<b>\$21.06</b>
<b>Bringing the Rain to Kapiti Plain</b>	0140546162 200540	<b>\$9.90</b>
<b>Rain Player</b>	0395720834 201180	<b>\$9.86</b>
<b>The Royal Bee</b>	9781563978678 201532	<b>\$13.58</b>
<b>One Green Apple</b>	0618434771 201182	<b>\$22.30</b>

Quantity	Total
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**Explore, Discover, Reveal**

**Quantity      Total**

<b>Explore, Discover, Reveal (3-4) Teacher Guide (print)</b>	978-1-4652-6812-9	<b>\$99.14</b>	_____	_____
<b>Explore, Discover, Reveal Teacher Guide Year License with Student Guide File</b>	978-1-4652-1801-9	<b>\$245</b>	_____	_____
<b>Explore, Discover, Reveal (3-4) Student Guide</b>	978-1-4652-6811-2	<b>\$19.95</b>	_____	_____
<b>Explore, Discover, Reveal Essential Book Titles - FOR EACH STUDENT</b>				
<b>From The Mixed-Up Files of Mrs. Basil E. Frankweiler</b>	9780689711817    201656	<b>\$8.78</b>	_____	_____
<b>Explore, Discover, Reveal Essential Book Titles - FOR SMALL GROUPS (at least 1 copy per group needed)</b>				
<b>Jeremy Fink and The Meaning of Life</b>	9780316058490    201657	<b>\$8.80</b>	_____	_____
<b>The Tiger Rising</b>	9780763618988    201658	<b>\$6.58</b>	_____	_____
<b>The Tale of Despereaux</b>	9780763625290    201659	<b>\$8.78</b>	_____	_____
<b>The Lightning Thief</b>	9780786838653    201660	<b>\$8.78</b>	_____	_____
<b>Jennifer, Hecate, Macbeth, William McKinley, And Me, Elizabeth</b>	9781416933960    201661	<b>\$7.68</b>	_____	_____
<b>George's Secret Key to the Universe</b>	9781416985846    201664	<b>\$12.08</b>	_____	_____
<b>Explore, Discover, Reveal Essential Book Titles - FOR READ-ALOUND</b>				
<b>Amelia Bedelia</b>	9780064441551    200533	<b>\$4.94</b>	_____	_____
<b>Where the Wild Things Are</b>	9780064431781    201665	<b>\$9.88</b>	_____	_____
<b>Journey</b>	9780763660536    201666	<b>\$17.58</b>	_____	_____
<b>Dream Animals</b>	9780449810804    20166	<b>\$19.78</b>	_____	_____

Quantity Total

### Literary Reflections

Literary Reflections (4-5) Teacher Guide (print)	978-0-7575-6495-6		<b>\$99.14</b>	_____	_____
Literary Reflections Teacher Guide 1 Year License with Student Guide file	978-1-4652-1727-2		<b>\$245</b>	_____	_____
Literary Reflections (4-5) Student Guide	978-0-7575-6496-3		<b>\$19.95</b>	_____	_____
<b>Literary Reflections Essential Book Titles - FOR EACH STUDENT</b>					
The Secret Garden	689831412	200541	<b>\$8.66</b>	_____	_____
<b>Literary Reflections Essential Book Titles - FOR SMALL GROUPS</b> (each student will choose one book from this list)					
Crispin: The Cross of Lead	0786816589	201166	<b>\$9.90</b>	_____	_____
Year of Impossible Goodbyes	0440407591	200542	<b>\$7.42</b>	_____	_____
Words by Heart	0440226880	200543	<b>\$7.42</b>	_____	_____
Taking Sides	0152046941	200544	<b>\$8.66</b>	_____	_____
Call It Courage	0689713916	200545	<b>\$8.66</b>	_____	_____
Elijah of Buxton	0439023459	201167	<b>\$9.90</b>	_____	_____
<b>Literary Reflections Essential Book Titles - FOR READ-ALOUD</b> (at least one copy needed for the classroom)					
Kamishibai Man	0618479546	201168	<b>\$22.30</b>	_____	_____
The Weaving of a Dream: A Chinese Folktale	0140505288	201169	<b>\$9.90</b>	_____	_____
Earrings	9780689716690	201701	<b>\$8.78</b>	_____	_____

### Perspectives

Perspectives (4-5) Teacher Guide (print)	978-1-4652-4488-8		<b>\$99.14</b>	_____	_____
Perspectives Teacher Guide 1 Year License with Student Guide file	978-1-5249-1805-7		<b>\$245</b>	_____	_____
Perspectives (4-5) Student Guide	978-1-4652-4487-1		<b>\$19.95</b>	_____	_____
<b>Perspectives Essential Book Titles - FOR EACH STUDENT</b>					
Boundless Grace	9780140556674	201564	<b>\$9.90</b>	_____	_____

**Quantity      Total**

**Mind Your Time**

Mind Your Time (4-5) Teacher Guide (print)	978-1-4652-6814-3		<b>\$99.14</b>	_____	_____
Mind Your Time Teacher Guide 1 Year License with Student Guide File	978-1-5249-1935-1		<b>\$245</b>	_____	_____
Mind Your Time (4-5) Student Guide	978-1-4652-6813-6		<b>\$19.95</b>	_____	_____
<b>Mind Your Time Essential Book Titles - FOR EACH STUDENT</b>					
The Phantom Tollbooth	9780394820378	201742	<b>\$10.97</b>	_____	_____
<b>Mind Your Time Essential Book Titles - FOR SMALL GROUPS (at least 1 copy per group needed)</b>					
Navigating Early	9780307930651	201744	<b>\$10.97</b>	_____	_____
When You Reach Me	9780375850868	201745	<b>\$10.97</b>	_____	_____
Coraline	9780380807345	201746	<b>\$9.60</b>	_____	_____
Peter Pan	9780689866913	201747	<b>\$9.60</b>	_____	_____
Where the Mountain Meets the Moon	9780316038638	201749	<b>\$12.37</b>	_____	_____
The Forbidden Stone	9780062194442	201750	<b>\$9.60</b>	_____	_____
The Eleventh Hour: A Curious Mystery	9780140561609	201751	<b>\$10.97</b>	_____	_____
The Composer is Dead	9780061236273	201753	<b>\$24.72</b>	_____	_____
Magritte's Marvelous Hat	9780547558646	201754	<b>\$24.72</b>	_____	_____

**Patterns of Change**

Patterns of Change (4-6) Teacher Guide (print)	978-0-7575-6597-7		<b>\$99.14</b>	_____	_____
Patterns of Change Teacher Guide 1 Year License with Student Guide File	978-1-5249-1807-1		<b>\$245</b>	_____	_____
Patterns of Change (4-6) Student Guide	978-0-7575-6606-6		<b>\$19.95</b>	_____	_____
<b>Patterns of Change Essential Book Titles - FOR EACH STUDENT</b>					
My Daniel	0064403092	200551	<b>\$7.42</b>	_____	_____
<b>Patterns of Change Essential Book Titles - FOR SMALL GROUPS (at least 1 copy per group needed)</b>					
The Watsons Go to Birmingham	044022800X	200546	<b>\$8.66</b>	_____	_____
A Wrinkle in Time	0312367554	200547	<b>\$8.66</b>	_____	_____
Chasing Vermeer	0439372976	201213	<b>\$9.90</b>	_____	_____
A Long Way from Chicago	0141303522	200549	<b>\$8.66</b>	_____	_____
Replay	0060540214	201214	<b>\$8.66</b>	_____	_____
The Wednesday Wars	054723760X	201215	<b>\$8.66</b>	_____	_____
The Single Shard	0547534264	201503	<b>\$8.66</b>	_____	_____



**Autobiographies**

Quantity Total

<b>Autobiographies (5-6) Teacher Guide (print)</b>	978-0-7575-6602-8		<b>\$99.14</b>	_____	_____
<b>Autobiographies Teacher Guide 1 Year License with Student Guide file</b>	978-1-5249-1809-5		<b>\$245</b>	_____	_____
<b>Autobiographies (5-6) Student Guide</b>	978-0-7575-6601-1		<b>\$19.95</b>	_____	_____
<b>Autobiographies Essential Book Titles - FOR EACH STUDENT</b>					
<b>Knots in My Yo-yo String</b>	9780679887911	201526	<b>\$13.62</b>	_____	_____
<b>Boy: Tales of Childhood</b>	9780142413814	201527	<b>\$8.66</b>	_____	_____
<b>Autobiographies Essential Book Titles - FOR SMALL GROUPS (each student will choose two books from this list)</b>					
<b>A Girl from Yamhill</b>	0380727404	200523	<b>\$16.10</b>	_____	_____
<b>Childtimes: A Three-Generation Memoir</b>	0064461343	200524	<b>\$12.38</b>	_____	_____
<b>How I Came to Be a Writer</b>	0689838875	200525	<b>\$7.42</b>	_____	_____
<b>A Day of Pleasure: Stories of a Boy Growing Up in Warsaw</b>	0374416966	200526	<b>\$12.38</b>	_____	_____
<b>The Lost Garden</b>	0688137016	200527	<b>\$8.66</b>	_____	_____
<b>Autobiographies Essential Book Titles - FOR THE CLASSROOM (at least 1 copy of each needed)</b>					
<b>The Important Book</b>	0064432270	201325	<b>\$8.66</b>	_____	_____
<b>Tom</b>	0698114485	201327	<b>\$8.66</b>	_____	_____
<b>My Rotten Redheaded Older Brother</b>	0689820364	201328	<b>\$9.90</b>	_____	_____
<b>Tar Beach</b>	0517885441	201329	<b>\$8.68</b>	_____	_____
<b>The Relatives Came</b>	0689717385	201330	<b>\$9.90</b>	_____	_____
<b>When I Was Young in the Mountains</b>	0140548750	201331	<b>\$8.66</b>	_____	_____
<b>The Wall</b>	0374347018	201332	<b>\$23.54</b>	_____	_____
<b>When Everybody Wore a Hat</b>	0060097027	201333	<b>\$11.14</b>	_____	_____
<b>Autobiographies Essential Book Titles - Photobiographies &amp; Scrapbooks (each student should read at least one)</b>					
<b>Helen's Eyes: A Photobiography of Annie Sullivan, Helen Keller's Teacher</b>	1426302096	201337	<b>\$22.26</b>	_____	_____
<b>Escape!: The Story of the Great Houdini</b>	0060850965	201338	<b>\$11.14</b>	_____	_____
<b>Our Eleanor: A Scrapbook Look at Eleanor Roosevelt's Remarkable Life</b>	0689865449	201339	<b>\$30.98</b>	_____	_____
<b>High Hopes: A Photobiography of John F. Kennedy</b>	0792261410	201340	<b>\$22.26</b>	_____	_____
<b>Bull's-Eye: A Photography of Annie Oakley</b>	0792259335	201342	<b>\$9.86</b>	_____	_____
<b>Light Shining Through the Mist: A Photobiography of Dian Fossey</b>	0792273001	201343	<b>\$22.26</b>	_____	_____





**The 1940s: A Decade of Change Cont.**

**Six Million Paperclips: The Making of a Children's Holocaust Memorial**

	158013176X	201364	<b>\$11.10</b>	_____	_____
<b>Faithful Elephants: A True Story of Animals, People &amp; War</b>	0395861373	201365	<b>\$8.62</b>	_____	_____
<b>The Bracelet</b>	069811390X	201366	<b>\$8.66</b>	_____	_____
<b>A New Coat for Anna</b>	0394898613	201367	<b>\$9.90</b>	_____	_____

**Quantity      Total**

**Utopia**

<b>Utopia (7-9) Teacher Guide (print)</b>	978-0-7575-6612-7		<b>\$99.14</b>	_____	_____
<b>Utopia Teacher Guide 1 Year License with Student Guide File</b>	978-1-5249-1946-7		<b>\$245</b>	_____	_____
<b>Utopia (7-9) Student Guide</b>	978-0-7575-6604-2		<b>\$19.95</b>	_____	_____
<b>Utopia Essential Book Titles - FOR EACH STUDENT</b>					
<b>Animal Farm</b>	0451526341	200560	<b>\$12.38</b>	_____	_____
<b>The House of the Scorpion</b>	0689852231	201426	<b>\$12.38</b>	_____	_____
<b>Fahrenheit 451</b>	9781451673319	201531	<b>\$18.60</b>	_____	_____
<b>The Glass Menagerie</b>	0811214044	201428	<b>\$14.82</b>	_____	_____
<b>The Giver</b>	0440237688	200562	<b>\$14.82</b>	_____	_____
<b>Utopia Essential Book Titles - FOR READ ALOUD (at least 1 copy needed)</b>					
<b>Harlem</b>	590543407	201429	<b>\$22.30</b>	_____	_____
<b>Dream: A Tale of Wonder, Wisdom, and Wishes</b>	1896232043	201430	<b>\$24.74</b>	_____	_____

**Threads of Change in 19th C.**

<b>Threads of Change in 19th C. (8-10) Teacher Guide (print)</b>	978-0-7575-6611-0		<b>\$99.14</b>	_____	_____
<b>Threads of Change in 19th C. Teacher Guide 1 Year License with Student Guide File</b>	978-1-5249-1948-1		<b>\$245</b>	_____	_____
<b>Threads of Change in 19th C. (8-10) Student Guide</b>	978-0-7575-6598-4		<b>\$19.95</b>	_____	_____
<b>Threads of Change Essential Book Titles - FOR EACH STUDENT</b>					
<b>Billy Budd, Sailor</b>	0451530810	201504	<b>\$6.14</b>	_____	_____
<b>The Adventures of Huckleberry Finn</b>	0451530942	200559	<b>\$7.38</b>	_____	_____

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		Quantity	Total
<b>Science K-8</b>			
<b>Guide to Teaching a Science Curriculum</b>	978-0-7575-2393-9	\$20.00	_____
<b>Where's the Beach?</b>			
Plans for building a children's camp at the beach are on hold because the town council is worried about beach erosion. Since the camp received a large donation to develop nature-themed experiences, designed to teach children how to protect the environment, the camp manager wants to cooperate with the council. The problem is that she must begin construction quickly to be ready for the summer season. Acting as members of the town council, the students must develop scientifically-based regulations that will satisfy the long-term needs of the town and the plans for the new camp.			
<b>Where's the Beach? (2-4) Teacher Guide (Dust Bowl)</b>	978-0-7575-2388-5	\$98.20	_____
<b>Where's the Beach? (2-4) Student Activity Packet (set of 10)</b>	978-0-7575-4300-5	\$98.20	_____
<b>What a Find!</b>			
What an appropriate title for an exploration of the field of archaeology! Students are put in the role of junior archaeologists at a research museum and discover that construction work has been halted on a new school because historic artifacts were discovered. To determine whether or not the dig is important enough to halt building the school entirely, students learn to excavate and actually conduct the dig -- carefully seeded with "historic artifacts."			
<b>What a Find! (2-4) Teacher Guide</b>	978-0-7575-2386-1	\$98.20	_____
<b>What a Find! (2-4) Student Activity Packet (set of 10)</b>	978-0-7575-4251-0	\$98.20	_____
<b>Acid, Acid Everywhere</b>			
Acid, Acid Everywhere presents that structure of systems through chemistry, ecological habitats, and transportation. This unit poses an ill-structured problem that leads students into an interdisciplinary inquiry about the structure and interaction of several systems, centering around the study of an acid spill on a local highway.			
<b>Acid, Acid Everywhere (4-6) Teacher Guide</b>	978-0-7575-2392-2	\$98.20	_____
<b>Acid, Acid Everywhere (4-6) Student Activity Packet(set of 10)</b>	978-0-7575-3891-9	\$98.20	_____
<b>Acid, Acid Everywhere Science Kit</b>	978-0-7575-6964-7	\$186.35	_____

### Electricity City

Electricity City provides a creative and interdisciplinary approach to introducing fourth through sixth grade students to electricity. In this simulated activity, a large recreational complex is being built in the middle of a city, and the students' role is to plan the site's electrical needs, as well as create additional backup plans. This "real world" problem requires students to analyze the situation, determine what type of research is needed, conduct experiments, and evaluate solutions.

**Electricity City (4-6) Teacher Guide**

978-0-7575-2390-8 **\$98.20**

**Electricity City (4-6) Student Activity Packet (set of 10)**

978-0-7575-4124-7 **\$98.20**

**Electricity City Science Kit**

978-0-7575-6968-5 **\$172.46**

Quantity Total

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### Animal Population

This curriculum unit integrates population biology and mathematics. The ill-structured problem puts students in the stakeholder role of assistant to the mayor of a small town in which residents are demanding that something be done about the deer that are eating their landscaped plants. Throughout the unit, students deal with physical models, conceptual models, and mathematical models as they tackle the deer problem and the complication of Lyme Disease.

**Animal Population (6-8) Teacher Guide**

978-0-7575-4126-1 **\$98.20**

**Animal Population (6-8) Student Activity Packet(set of 10)**

978-0-7575-4127-8 **\$98.20**

**Animal Population Science Kit**

978-0-7575-6967-8 **\$127.31**

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### Nuclear Energy

This unit creatively explores the effects of nuclear power waste. The topic is introduced through the eyes of a mayor of a town where a nuclear power plant is located. She must decide if the facility can expand its waste disposal techniques. What are the biological implications of radiation? What are the trade-offs with which society must live as we accept nuclear technologies into our lives? These questions are explored by students as they prepare to make recommendations about the use of the nuclear power plant in their fictitious town.

**Nuclear Energy: Friend or Foe? (6-8) Teacher Guide (Hot Rods)**

978-0-7575-2381-6 **\$98.20**

**Nuclear Energy: Friend or Foe? (6-8) Student Activity Packet (set of 10)**

978-0-7575-4355-5 **\$98.20**

**Nuclear Energy: Friend or Foe? Science Kit**

978-0-7575-6969-2 **\$287.20**

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**Something Fishy**

This unit poses an ill-structured problem that will lead students into an interdisciplinary study about several individual systems and their interactions. The content of the unit focuses on the various systems involved in the pollution of a local body of water: the aquatic ecosystem, chemical reaction systems, government systems, and economic systems. Students are challenged to grapple with real world concerns and develop recommendations through simulation activities based on the scientific process.

**Something Fishy (6-8) Teacher Guide (Chesapeake Bay)**

978-0-7575-2391-5 **\$98.20**

**Something Fishy (6-8) Student Activity Packet (set of 10)**

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**No Quick Fix**

No Quick Fix uses systems as the fundamental concept to help students understand cell and tuberculosis biology. In a series of widening concentric circles, students learn that the cells are elements in larger systems, such as the immune system and the even larger system of the human body. Students also interact with the human social systems: health care and public education. Students take on the role of physician and begin to search for the cause and resolution of the problem. While unraveling the interactions among various systems, students can appreciate the complexities of staying healthy in the modern world.

**No Quick Fix (6-8) Teacher Guide**

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**No Quick Fix (6-8) Student Activity Packet (set of 10)**

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<p><b>Social Studies K-12</b></p> <p><b>Guide to Teaching a Social Studies Curriculum</b> 978-0-7575-3701-1 <b>\$20.00</b></p>	_____	_____
<p><b>Ancient Egypt: Gift of the Nile</b></p> <p>Gift of the Nile is designed around the idea that human civilizations develop and sustain themselves as a collection of interdependent systems. The civilization of ancient Egypt forms the central content of the unit, with exploration of systems of agriculture, economics, language, and leadership in this ancient culture. Students broaden their understanding by comparing the ancient Egyptian civilization with aspects of their own lives and communities.</p> <p><b>Ancient Egypt: Gift of the Nile (2-3) Teacher Guide</b> 978-0-7872-9261-4 <b>\$98.20</b></p>	_____	_____
<p><b>Ancient China: The Middle Kingdom</b></p> <p>The concept of systems in the foundation for The Middle Kingdom, which explores ancient China to demonstrate the interdependent systems that develop and sustain a civilization. The unit explores systems of agriculture, language, leadership, and trade in ancient China, using models for reasoning and document analysis to support student understanding. This unit may be used in conjunction with Ancient Egypt.</p> <p><b>Ancient China: The Middle Kingdom (2-3) Teacher Guide</b> 978-0-7872-9262-1 <b>\$98.20</b></p>	_____	_____
<p><b>Building a New System: Colonial America 1607-1763</b></p> <p>Building a New System begins with an in-depth study of the interrelationships between the Chesapeake Bay system and both the Native Americans and the early English colonists in Virginia. The unit then turns to an exploration of the economic, social, and political systems of early American across the colonies, comparing and contrasting lifestyles of different groups in different regions.</p> <p><b>Building New System: Colonial America (4-5) Teacher Guide</b> 978-0-7872-9345-1 <b>\$98.20</b></p>	_____	_____
<p><b>The World Turned Upside Down: The American Revolution</b></p> <p>Intensive document analysis and exploration of the concept of cause and effect from the foundation of this unit exploring the Revolutionary period in American history, The World Turned Upside Down explores the chronology and major events leading up to and during the Revolutionary War and uses primary sources to demonstrate the social and political context.</p> <p><b>The World Turned Upside Down (4-5) Teacher Guide</b> 978-0-7872-9346-8 <b>\$98.20</b></p>	_____	_____



**A House Divided? The Civil War: Its Causes and Effects**

The concept of cause and effect serves as a central organizing theme of A House Divided?. This unit explores the events and perspectives leading to the American Civil War and the chronology and context of the war itself. Using primary source documents, students investigate the social, political, and economic influences that were significant in this period of history.

**A House Divided (5-6) Teacher Guide**

978-0-7872-9347-5 **\$98.20**

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**The 1920s in American: A Decade of Tensions**

Centered on a variety of primary sources including music, advertisements, and traditional documents, the 1920s in America provides insight into the events, values, lifestyles, and experiences of the 1920s period. Students explore the concept of cause and effect and how it relates to the events of the time, and gain a level of appreciation and understanding as they look at the ways different aspects of the era interact with and influence one another.

**1920's in America: Tension (6-7) Teacher Guide**

978-0-7872-9344-4 **\$98.20**

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**The 1930s in America: Facing Depression**

The 1930s in America explores Depression-era America from the perspective of many different groups of people, utilizing a variety of primary sources to illustrate events and the social-political context. The unit emphasizes the interplay of changes in geography, government, the economy, and the influence of particular individuals and groups.

**1930's in America: Depression (6-7) Teacher Guide**

978-0-7872-9343-7 **\$98.20**

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**The Road to the White House: Electing the American President**

The concept of systems forms the basis for this exploration of American government, and focuses on the processes involved in the election of the President, and the constitutional context of these processes. Students investigate the chronology of campaign and election, and study documents and statistics related to Presidential elections in American history.

**The Road to the White House (6-8) Teacher Guide**

978-1-4652-9579-8 **\$99.14**

**The Road to the White House (6-8) Student Guide**

978-1-4652-9834-8 **\$21.95**

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### Defining Nations

This unit is designed around the concepts of nationalism and identity as interrelated ideas that affect events and decisions throughout the world. Unit lessons explore recent changes and conflicts, giving students multiple opportunities to analyze events based on a developing understanding of how the ideas of nationalism and identity apply to specific situations.

**Defining Nations (9-10) Teacher Guide**

978-0-7575-2337-3 **\$98.20**

Quantity Total

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### Primary Sources and Historical Analysis

This unit is intended to support students in their development of the skills of the historian, particularly in the area of document analysis. It provides a collection of primary source documents and strategies for engaging students with these documents that will deepen and extend their skills in analyzing and interpreting written historical contributions. The unit lessons may be used as stand-alone pieces as they fit throughout a year's curriculum or addressed as a whole unit on the historical analysis process.

**Primary Sources (9-10) Teacher Guide**

978-0-7575-2338-0 **\$98.20**

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### The Renaissance and Reformation in Europe

This unit focuses on the concept of authority and how the Renaissance and Reformation period was defined by changing notions of political and religious authority. The unit traces the background of the Renaissance and Reformation through exploration of the Mediterranean world in medieval times, then engages students in analysis of various influences on changing conceptions of the church and of political leadership and authority. In addition, the unit explores the cultural changes occurring in the Renaissance and their influence on the past and present. Students engage in extensive primary source analysis and structured reasoning as they explore how political, religious, and economic authority were constituted and legitimized throughout the period.

**Renaissance & Reformation (9-10) Teacher Guide**

978-0-7575-1879-9 **\$98.20**

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