The Aiken Writing Project

CE-MIST
Center of Excellence in Middle-level, Interdisciplinary Strategies for Teaching

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Unit Plan Overview for Interdisciplinary Traveling Trunk

Title of Unit: <u>Traveling through Ancient Greece</u>   Grade Level: **6**   Duration: **3 weeks**

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South Carolina Academic Standards for two or more content areas:

ELA (CCSS)	Math (CCSS)	Science	Social Studies
6.RL.1, 6.RL.3 6.W.2	6.NS.4 6-G.3	SC 6-2.2 and 6-2.3	SC 6-2.2

Summary of activities showing connections between content areas	Students in Grade 6 will learn about Pythagoras, explore prime numbers and geometry, and solve math problems using *pi.* They will examine Greek and Latin root words, conduct research, and create a travel brochure about ancient Greece. In science, they will create a classroom greenhouse and learn to classify plants using the Linnaean system of kingdom, phylum, class, order, family, genus, and species. Students will explore Essential Questions such as, Why is it important to learn about ancient civilizations? How did the ancient Greeks influence mathematics, science, and literature? This TILT includes a wide variety of multileveled children's literature. Literature circle books (4 copies each) include *The Lightning Thief, Hour of the Olympics, How to Be an Ancient Greek Athlete, I Wonder Why Greeks Built Temples, Ancient Greek Women, D'Aulaire's Book of Greek Myths,* and *You Wouldn't Want to Be a Slave in Ancient Greece.* This unit's text set includes a Timeline poster, a DVD, and five read-aloud books related to Mathematics. NOTE: The Ancient Rome TILT includes an expanded 3-part set of Greek and Roman mythology.
Literature Circle Novels (4 copies of each)	Hour of the Olympics -Osborne, Mary Pope How to Be an Ancient Greek Athlete -Morley, Jacqueline I Wonder Why Greeks Built Temples -MacDonald, Fiona Ancient Greece -Hatt, Christin Ancient Greece: An Interactive History Adventure -Caper, William Ancient Greek Women -Middleton, Haydn D'Aulaire's Book of Greek Myths -D'Aulaire, Ingri What Did the Ancient Greeks Do for Me? -Catel, Patrick You Wouldn't Want to Be a Greek Athlete! -Ford, Michael You Wouldn't Want to Be in Alexander the Great's Army -Morley, Jacqueline You Wouldn't Want to Be a Slave in Ancient Greece! -MacDonald, Fiona

Text Set	Social Studies and ELA:
	  Ancient Greece Timeline
	  DVD: Greece- Secrets of the Past (IMAX)
	  Ancient Greece [With Clip-Art CD] -Pearson, Anne
	  Ancient Greece: 40 Hands-On Activities to Experience This Wondrous Age -Hart, Avery

	History News: The Greek News -Steele, Philip Magic Tree House Fact Tracker #10: Ancient Greece and the Olympics -Osborne, Mary Pope Math: The Librarian Who Measured the Earth -Lasky, Kathryn The Greedy Triangle -Burns, Marilyn What's Your Angle, Pythagoras? A Math Adventure -Ellis, Julie The Life and Times of Pythagoras -Harkins, Susan Sales The Ancient Civilizations of Greece and Rome: Solving Algebraic Equations -O'Donnell, Kerri Science: Linnea in Monet's Garden -Bjork, Christina Science in Ancient Greece -Gay, Kathlyn
Essential Questions	Why is it important to learn about ancient civilizations? How did the ancient Greeks influence mathematics? How did the ancient Greeks influence science? How did the ancient Greeks influence today's literature?
Vocabulary	• agora, plunder, myth, immortal, aristocracy, democracy, marathon, philosopher, reason, plague, mercenary (social studies) • envy, lunged, obnoxious, eavesdropping, pudgy, winced, marred, burly, chaos, grudge (ELA) • geometry, prime numbers, angles, triangles (math) • kingdom, phylum, class, order, family, genus, species, vascular, nonvascular, seed, spore-producing, flowering, cone-bearing, monocot, dicot (science)
Materials	(math) K'NEX Education: Elementary Math and Geometry (science) White Box Garden- Exotic Plants (ELA) *The Lightning Thief* by: Rick Riordan (social studies) *Look what Came from Greece* by: Kevin Davis (social studies) *D'Aulaires Book of Greek Myths* by: Ingri d'Aulaire and Edgar Parin d'Aulaire (social Studies) *Ancient Greece (Excavating the Past)* by: Christine Hatt (social studies) *I Wonder Why Greeks Built Temples: and Other Questions about Ancient Greece* by: Fiona MacDonald (math) *The Librarian who Measured the Earth* by: Kathryn Lasky (math) *What's Your Angle, Pythagoras? A Math Adventure* by: Julie Ellis and Phyllis Hornung (math) *The Greedy Triangle* by: Marilyn Burns (social studies) *Hour of the Olympics* by: Mary Pope Osborne (science) *Linnea in Monet's Garden* by: Lena Anderson and Christina Bjork (science) *The Girl with the Green Ear* by: Margaret Mahy (science) *Science in Greece (Look What came from)* by: Kathlyn Gay
Objectives	• Students will create and keep a Reader Response Journal while reading literature circle novels (ELA). • Students will use pre-reading, during reading, and after reading strategies using literature circles. (ELA and social studies). • Students will create a travel brochure about ancient Greece (social studies). • Students will be able to compare and contrast ancient and modern Greece (social

	studies).
	• Students will be able to differentiate between prime and composite numbers (math).
	• Students will be able to construct geometric shapes (math).
	• Students will be able to solve problems involving pi (math).
	• Students will be able to classify plants (science)
Pre-Writing and Writing Activities	• Students will keep and create a Reader Response Journal in their ELA class.
	• Students will create a travel brochure in their social studies class with help from the Media Specialist.
	• Students will complete a plant journal about the greenhouse for their science class.
	• Students will write descriptions about the shapes that they create during their math class.
Accommodations/ Differentiating Instruction	A variety of books written on a variety of levels will be used throughout the unit. Most of the assignments allow students to work at their ability level. Students also have the Reading Interventionist to help with the reading and writing assignments.

Attached: Daily Lesson Plans

NOTE: The following set is also available (located in the Ancient Rome trunk):
Greek and Roman Mythology, Volume 1 -Oh, Cirro
Greek and Roman Mythology, Volume 2 -Oh, Cirro
Greek and Roman Mythology Vol. 3 -Oh, Cirro