

Main Criteria: Tennessee Academic Standards

Secondary Criteria: Virtual Field Trips

Subjects: Science, Social Studies

Grade: 7

Correlation Options: Show Correlated

Tennessee Academic Standards

Science

Grade: 7 - Adopted: 2007

STRAND / STANDARD / COURSE	TN.T/E.	Technology and Engineering
CONCEPTUAL STRAND / GUIDING QUESTION	CS.T/E.	Society benefits when engineers apply scientific discoveries to design materials and processes that develop into enabling technologies.
GUIDING QUESTION / LEARNING EXPECTATION	GQ.T/E.	How do science concepts, engineering skills, and applications of technology improve the quality of life?
LEARNING EXPECTATION	GLE.0707.T/E.	Grade Level Expectations
INDICATOR	GLE.0707.T/E.1.	Explore how technology responds to social, political, and economic needs. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
INDICATOR	GLE.0707.T/E.3.	Compare the intended benefits with the unintended consequences of a new technology. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
STRAND / STANDARD / COURSE	TN.T/E.	Technology and Engineering
CONCEPTUAL STRAND / GUIDING QUESTION	CS.T/E.	Society benefits when engineers apply scientific discoveries to design materials and processes that develop into enabling technologies.
GUIDING QUESTION / LEARNING EXPECTATION	GQ.T/E.	How do science concepts, engineering skills, and applications of technology improve the quality of life?
LEARNING EXPECTATION	0707.T/E.	Checks for Understanding
INDICATOR	0707.T/E.3.	Explore how the unintended consequences of new technologies can impact society. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
STRAND / STANDARD / COURSE	TN.T/E.	Technology and Engineering
CONCEPTUAL STRAND / GUIDING QUESTION	CS.T/E.	Society benefits when engineers apply scientific discoveries to design materials and processes that develop into enabling technologies.
GUIDING QUESTION / LEARNING EXPECTATION	GQ.T/E.	How do science concepts, engineering skills, and applications of technology improve the quality of life?
LEARNING EXPECTATION	SPI.0707.T/E.	State Performance Indicators
INDICATOR	SPI.0707.T/E.3.	Distinguish between the intended benefits and the unintended consequences of a new technology. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
STRAND / STANDARD / COURSE	TN.3.	Life Science: Flow of Matter and Energy
CONCEPTUAL STRAND / GUIDING QUESTION	CS.3.	Matter and energy flow through the biosphere.

GUIDING QUESTION / LEARNING EXPECTATION	GQ.3.	What scientific information explains how matter and energy flow through the biosphere?
LEARNING EXPECTATION	GLE.0707.3.	Grade Level Expectations
INDICATOR	GLE.0707.3.2.	Investigate the exchange of oxygen and carbon dioxide between living things and the environment. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
STRAND / STANDARD / COURSE	TN.3.	Life Science: Flow of Matter and Energy
CONCEPTUAL STRAND / GUIDING QUESTION	CS.3.	Matter and energy flow through the biosphere.
GUIDING QUESTION / LEARNING EXPECTATION	GQ.3.	What scientific information explains how matter and energy flow through the biosphere?
LEARNING EXPECTATION	0707.3.	Checks for Understanding
INDICATOR	0707.3.6.	Describe the movement of oxygen and carbon dioxide between living things and the environment. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
STRAND / STANDARD / COURSE	TN.3.	Life Science: Flow of Matter and Energy
CONCEPTUAL STRAND / GUIDING QUESTION	CS.3.	Matter and energy flow through the biosphere.
GUIDING QUESTION / LEARNING EXPECTATION	GQ.3.	What scientific information explains how matter and energy flow through the biosphere?
LEARNING EXPECTATION	SPI.0707.3.	State Performance Indicators
INDICATOR	SPI.0707.3.2.	Interpret a diagram to explain how oxygen and carbon dioxide are exchanged between living things and the environment. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
STRAND / STANDARD / COURSE	TN.4.	Life Science: Heredity
CONCEPTUAL STRAND / GUIDING QUESTION	CS.4.	Plants and animals reproduce and transmit hereditary information between generations.
GUIDING QUESTION / LEARNING EXPECTATION	GQ.4.	What are the principal mechanisms by which living things reproduce and transmit information between parents and offspring?
LEARNING EXPECTATION	GLE.0707.4.	Grade Level Expectations
INDICATOR	GLE.0707.4.2.	Demonstrate an understanding of sexual reproduction in flowering plants. <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades
STRAND / STANDARD / COURSE	TN.4.	Life Science: Heredity
CONCEPTUAL STRAND / GUIDING QUESTION	CS.4.	Plants and animals reproduce and transmit hereditary information between generations.
GUIDING QUESTION / LEARNING EXPECTATION	GQ.4.	What are the principal mechanisms by which living things reproduce and transmit information between parents and offspring?
LEARNING EXPECTATION	0707.4.	Checks for Understanding
INDICATOR	0707.4.2.	Label and explain the function of the reproductive parts of a flower. <u>Virtual Field Trips</u>

		La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades
STRAND / STANDARD / COURSE	TN.4.	Life Science: Heredity
CONCEPTUAL STRAND / GUIDING QUESTION	CS.4.	Plants and animals reproduce and transmit hereditary information between generations.
GUIDING QUESTION / LEARNING EXPECTATION	GQ.4.	What are the principal mechanisms by which living things reproduce and transmit information between parents and offspring?
LEARNING EXPECTATION	SPI.0707.4.	State Performance Indicators
INDICATOR	SPI.0707.4.2.	Match flower parts with their reproductive functions. <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades
STRAND / STANDARD / COURSE	TN.7.	Earth and Space Science: The Earth
CONCEPTUAL STRAND / GUIDING QUESTION	CS.7.	Major geologic events that occur over eons or brief moments in time continually shape and reshape the surface of the Earth, resulting in continuous global change.
GUIDING QUESTION / LEARNING EXPECTATION	GQ.7.	How is the earth affected by long-term and short term geological cycles and the influence of man?
LEARNING EXPECTATION	GLE.0707.7.	Grade Level Expectations
INDICATOR	GLE.0707.7.4.	Explain how earthquakes, mountain building, volcanoes, and sea floor spreading are associated with movements of the earth's major plates. <u>Virtual Field Trips</u> Galapagos Islands Galapagos Islands - Espagnol National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah
INDICATOR	GLE.0707.7.5.	Differentiate between renewable and nonrenewable resources in terms of their use by man. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
INDICATOR	GLE.0707.7.6.	Evaluate how human activities affect the earth's land, oceans, and atmosphere. <u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 2 - Older Grades
STRAND / STANDARD / COURSE	TN.7.	Earth and Space Science: The Earth
CONCEPTUAL STRAND / GUIDING QUESTION	CS.7.	Major geologic events that occur over eons or brief moments in time continually shape and reshape the surface of the Earth, resulting in continuous global change.
GUIDING QUESTION / LEARNING EXPECTATION	GQ.7.	How is the earth affected by long-term and short term geological cycles and the influence of man?
LEARNING EXPECTATION	0707.7.	Checks for Understanding
INDICATOR	0707.7.1.	Organize and explain information about the properties of minerals and their uses. <u>Virtual Field Trips</u> National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 2 - Older Grades

INDICATOR	0707.7.6.	Analyze the relationship between plate movements and mountain building. <u>Virtual Field Trips</u> National Parks West - Nevada, California National Parks West - Wyoming, Utah
INDICATOR	0707.7.7.	Analyze the relationship between plate movements, volcanoes, and sea floor spreading. <u>Virtual Field Trips</u> Galapagos Islands Galapagos Islands - Espagnol National Parks - West - Alaska & Hawaii National Parks West - Wyoming, Utah
INDICATOR	0707.7.8.	Determine the impact of man's use of renewable and nonrenewable resources on future supplies. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
INDICATOR	0707.7.9.	Evaluate how human activities affect the condition of the earth's land, water, and atmosphere. <u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks of the Western Region - Part 1
STRAND / STANDARD / COURSE	TN.7.	Earth and Space Science: The Earth
CONCEPTUAL STRAND / GUIDING QUESTION	CS.7.	Major geologic events that occur over eons or brief moments in time continually shape and reshape the surface of the Earth, resulting in continuous global change.
GUIDING QUESTION / LEARNING EXPECTATION	GQ.7.	How is the earth affected by long-term and short term geological cycles and the influence of man?
LEARNING EXPECTATION	SPI.0707.7.	State Performance Indicators
INDICATOR	SPI.0707.7.6.	Describe the relationship between plate movements and earthquakes, mountain building, volcanoes, and sea floor spreading. <u>Virtual Field Trips</u> Galapagos Islands Galapagos Islands - Espagnol National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah
INDICATOR	SPI.0707.7.7.	Analyze and evaluate the impact of man's use of earth's land, water, and atmospheric resources. <u>Virtual Field Trips</u> Galapagos Islands Galapagos Islands - Espagnol National Parks - West - Alaska & Hawaii The Amazon Rainforest - Part 2 - Older Grades
STRAND / STANDARD / COURSE	TN.11.	Physical Science: Motion
CONCEPTUAL STRAND / GUIDING QUESTION	CS.11.	Objects move in ways that can be observed, described, predicted, and measured.
GUIDING QUESTION / LEARNING EXPECTATION	GQ.11.	What causes objects to move differently under different circumstances?
LEARNING EXPECTATION	0707.11.	Checks for Understanding
INDICATOR	0707.11.3.	Summarize the difference between the speed and velocity based on the distance and amount of time traveled.

		<u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii
STRAND / STANDARD / COURSE	TN.11.	Physical Science: Motion
CONCEPTUAL STRAND / GUIDING QUESTION	CS.11.	Objects move in ways that can be observed, described, predicted, and measured.
GUIDING QUESTION / LEARNING EXPECTATION	GQ.11.	What causes objects to move differently under different circumstances?
LEARNING EXPECTATION	SPI.0707.11.	State Performance Indicators
INDICATOR	SPI.0707.11.3.	Apply proper equations to solve basic problems pertaining to distance, time, speed, and velocity. <u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii

Tennessee Academic Standards

Social Studies

Grade: 7 - Adopted: 2013

STRAND / STANDARD / COURSE	TN.7.	World History and Geography: The Middle Ages to the Exploration of the Americas
CONCEPTUAL STRAND / GUIDING QUESTION		The Fall of the Roman Empire: The legacy of the Roman Empire and the consequences of the fall of the Roman Empire.
GUIDING QUESTION / LEARNING EXPECTATION	7.1.	Analyze the legacy of the Roman Empire. (C, H) <u>Virtual Field Trips</u> Rome - The Eternal City - Part 1 Rome - The Eternal City - Part 2
STRAND / STANDARD / COURSE	TN.7.	World History and Geography: The Middle Ages to the Exploration of the Americas
CONCEPTUAL STRAND / GUIDING QUESTION		Africa, 400 A.D./C.E. – 1500s: Students analyze the geographic, political, economic, social, and religious structures of the civilizations.
GUIDING QUESTION / LEARNING EXPECTATION	7.15.	Examine the importance of written and oral traditions in the transmission of African history and culture. (C, H) <u>Virtual Field Trips</u> Ancient Mayan Civilization
STRAND / STANDARD / COURSE	TN.7.	World History and Geography: The Middle Ages to the Exploration of the Americas
CONCEPTUAL STRAND / GUIDING QUESTION		Japan, 400 A.D./C.E. – 1500s: Students analyze the geographic, political, economic, social, and religious structures of the civilizations.
GUIDING QUESTION / LEARNING EXPECTATION	7.31.	Analyze the rise of a military society in the late twelfth century and the role of the shogun and samurai in that society. (C, H, P) <u>Virtual Field Trips</u> Tokyo - City of Contrasts
STRAND / STANDARD / COURSE	TN.7.	World History and Geography: The Middle Ages to the Exploration of the Americas
CONCEPTUAL STRAND / GUIDING QUESTION		The Renaissance and Reformation: Students analyze the origins, accomplishments, and geographic diffusion of the Renaissance and the historical developments of the Reformation.
GUIDING QUESTION / LEARNING EXPECTATION	7.43.	Trace the emergence of the Renaissance, including influence from Moorish (or Muslim) scholars in Spain. (C, H) <u>Virtual Field Trips</u> Rome - The Eternal City - Part 2

GUIDING QUESTION / LEARNING EXPECTATION	7.48.	Outline the advances made in literature, the arts, science, mathematics, cartography, engineering, and the understanding of human anatomy and astronomy, including Leonardo da Vinci (Last Supper, Mona Lisa), Michelangelo (Sistine Chapel, The David), Johann Gutenberg, and William Shakespeare. (C, G, H) <u>Virtual Field Trips</u> Rome - The Eternal City - Part 2
STRAND / STANDARD / COURSE	TN.7.	World History and Geography: The Middle Ages to the Exploration of the Americas
CONCEPTUAL STRAND / GUIDING QUESTION		The Age of Exploration: Students compare and contrast the geographic, political, religious, social, and economic structures of the Mesoamerican and Andean civilizations. Students analyze reasons for movement of people from Europe to the Americas, describing the impact of exploration by Europeans and Native Americans.
GUIDING QUESTION / LEARNING EXPECTATION	7.64.	Identify the locations of the Olmecs, Mayans, Aztec, and Incas and explain the impact of the geographical features and climates of Mexico, Central America, and South America on their civilizations. (C, E, G, H, P) <u>Virtual Field Trips</u> Ancient Mayan Civilization
GUIDING QUESTION / LEARNING EXPECTATION	7.65.	Describe the highly structured social and political system of the Maya civilization, ruled by kings and consisting of agriculturally intensive centers around independent city-states. (C, H, P) <u>Virtual Field Trips</u> Ancient Mayan Civilization
GUIDING QUESTION / LEARNING EXPECTATION	7.67.	Explain the roles of peoples in the Aztec and Incan societies, including class structures, family life, warfare, religious beliefs and practices, and slavery. (C, H) <u>Virtual Field Trips</u> Ancient Mayan Civilization
GUIDING QUESTION / LEARNING EXPECTATION	7.69.	Cite several pieces of textual evidence to support the analysis of the impacts of the Mesoamerican developments in astronomy and mathematics, including the calendar, and the Mesoamerican knowledge of seasonal changes to the civilizations' agricultural systems. (C, H) <u>Virtual Field Trips</u> Ancient Mayan Civilization
GUIDING QUESTION / LEARNING EXPECTATION	7.70.	Compare the varied economies and trade networks within and among major indigenous cultures prior to contact with Europeans and their systems of government, religious beliefs, distinct territories, and customs and traditions. (C, E, G, H, P) <u>Virtual Field Trips</u> Ancient Mayan Civilization

Grade: 7 - Adopted: 2010

STRAND / STANDARD / COURSE	TN.RH.6-8.	Reading Standards for Literacy in History/Social Studies
CONCEPTUAL STRAND / GUIDING QUESTION		Integration of Knowledge and Ideas
GUIDING QUESTION / LEARNING EXPECTATION	RH.6-8.7.	Integrate visual information (e.g., in charts, graphs, photographs, videos, or maps) with other information in print and digital texts. <u>Virtual Field Trips</u> African Safari Ancient Egypt - Land of the Pharaohs

	<p> Ancient Egypt - Land of the Pyramids Ancient Greece - Birthplace of Democracy Ancient Mayan Civilization Barcelona - English Barcelona - Espagnol Canada - An Overview Exploring Cuba Galapagos Islands Jerusalem - Then and Now (Older Grades) La Selva Amazonica - Pte 1 (En Espagnol) London - City of Pomp & Majesty National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 Paris - City of Light - Grades 6 - 12 Paris - La Ville Lumiere (En Francais) Rome - The Eternal City - Part 1 Rome - The Eternal City - Part 2 The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades Tokyo - City of Contrasts Washington, DC - Grades 6 - 12 </p>
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