

Main Criteria: Kentucky Academic Standards
Secondary Criteria: Virtual Field Trips
Subjects: Science, Social Studies
Grade: 8
Correlation Options: Show Correlated

**Kentucky Academic Standards
 Science**

Grade: 8 - Adopted: 2013

STRAND	KY.MS.A.	Structure and Properties of Matter
CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	06-PS1-3.	Gather and make sense of information to describe that synthetic materials come from natural resources and impact society. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
STRAND	KY.MS.G.	Matter and Energy in Organisms and Ecosystems
CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	06-LS2-3.	Develop a model to describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem. <u>Virtual Field Trips</u> Galapagos Islands Galapagos Islands - Espagnol La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
STANDARD / ORGANIZER	08-LS2-4.	Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations. <u>Virtual Field Trips</u> Galapagos Islands Galapagos Islands - Espagnol La Selva Amazonica - Pte 1 (En Espagnol) National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
STRAND	KY.MS.H.	Interdependent Relationships in Ecosystems
CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	06-LS2-2.	Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems. <u>Virtual Field Trips</u> Galapagos Islands Galapagos Islands - Espagnol La Selva Amazonica - Pte 1 (En Espagnol) National Parks - West - Alaska & Hawaii The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
STANDARD / ORGANIZER	08-LS2-5.	Evaluate competing design solutions for maintaining biodiversity and ecosystem services. <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 National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 2 - Older Grades
STRAND	KY.MS.J.	Growth, Development, and Reproduction of Organisms
CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	07-LS1-5.	Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms. <u>Virtual Field Trips</u> Galapagos Islands Galapagos Islands - Espagnol
STRAND	KY.MS.L.	History of Earth
CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	06-ESS2-2.	Construct an explanation based on evidence for how geoscience processes have changed Earth's surface at varying time and spatial scales. <u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1
STANDARD / ORGANIZER	06-ESS2-3.	Analyze and interpret data on the distribution of fossils and rocks, continental shapes, and seafloor structures to provide evidence of the past plate motions. <u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1
STRAND	KY.MS.M.	Earth's Systems
CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	06-ESS2-1.	Develop a model to describe the cycling of Earth's materials and the flow of energy that drives this process. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
STANDARD / ORGANIZER	08-ESS3-1.	Construct a scientific explanation based on evidence for how the uneven distributions of Earth's mineral, energy, and groundwater resources are the result of past and current geoscience processes. <u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks West - Nevada, California
STRAND	KY.MS.N.	Weather and Climate
CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	06-ESS2-6.	Develop and use a model to describe how unequal heating and rotation of the Earth cause patterns of atmospheric and oceanic circulation that determine regional climates. <u>Virtual Field Trips</u> Galapagos Islands Galapagos Islands - Espagnol
STANDARD / ORGANIZER	08-ESS3-5.	Ask questions to clarify evidence of the factors that have caused the rise in global temperatures over the past century.

		<u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks of the Western Region - Part 1
STRAND	KY.MS.O.	Human Impacts
CATEGORY / GOAL		Students who demonstrate understanding can:
STANDARD / ORGANIZER	08-ESS3-4.	Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades

Kentucky Academic Standards

Social Studies

Grade: 8 - Adopted: 2015

STRAND	KY.SS.GC.	Big Idea: Government and Civics - The study of government and civics equips students to understand the nature of government and the unique characteristics of American representative democracy, including its fundamental principles, structure, and the role of citizens. Understanding the historical development of structures of power, authority, and governance and their evolving functions in contemporary U.S. society and other parts of the world is essential for developing civic competence. An understanding of civic ideals and practices of citizenship is critical to full participation in society and is a central purpose of the social studies.
CATEGORY / GOAL	GC.EK.	Grade 8 Enduring Knowledge – Understandings
STANDARD / ORGANIZER	GC.EK.4.	The Constitution of the United States establishes a government of limited powers that are shared among different levels and branches. The Constitution is a document that can be changed from time to time through both formal and informal processes (e.g., amendments, court cases, executive actions) to meet the needs of its citizens. <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12
STRAND	KY.SS.GC.	Big Idea: Government and Civics - The study of government and civics equips students to understand the nature of government and the unique characteristics of American representative democracy, including its fundamental principles, structure, and the role of citizens. Understanding the historical development of structures of power, authority, and governance and their evolving functions in contemporary U.S. society and other parts of the world is essential for developing civic competence. An understanding of civic ideals and practices of citizenship is critical to full participation in society and is a central purpose of the social studies.
CATEGORY / GOAL	GC.SC.	Grade 8 Skills and Concepts
STANDARD / ORGANIZER	GC.SC.2.	Investigate the Constitution of the United States:
EXPECTATION	GC.SC.2.b.	Explain the political process established by the U.S. Constitution and ways the Constitution separates power among the legislative, executive and judicial branches to prevent the concentration of political power and to establish a system of checks and balances <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12
STRAND	KY.SS.CS.	Big Idea: Cultures and Societies - Culture is the way of life shared by a group of people, including their ideas and traditions. Cultures reflect the values and beliefs of groups in different ways (e.g., art, music, literature, religion); however, there are universals (e.g., food, clothing, shelter, communication) connecting all cultures. Culture influences viewpoints, rules and institutions in a global society.

		Students should understand that people form cultural groups throughout the United States and the World, and that issues and challenges unite and divide them.
CATEGORY / GOAL	CS.EK.	Grade 8 Enduring Knowledge – Understandings
STANDARD / ORGANIZER	CS.EK.1.	<p>Culture is a system of beliefs, knowledge, institutions, customs/traditions, languages and skills shared by a group of people. Through a society’s culture, individuals learn the relationships, structures, patterns and processes to be members of the society.</p> <p><u>Virtual Field Trips</u> Exploring Cuba Jerusalem - Then and Now (Older Grades) La Selva Amazonica - Pte 1 (En Espagnol) Rome - The Eternal City - Part 2 The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades</p>
STANDARD / ORGANIZER	CS.EK.2.	<p>Cultures develop social institutions (e.g., government, economy, education, religion, family) to structure society, influence behavior, and respond to human needs.</p> <p><u>Virtual Field Trips</u> Jerusalem - Then and Now (Older Grades)</p>
STRAND	KY.SS.G.	<p>Big Idea: Geography - Geography includes the study of the five fundamental themes of location, place, regions, movement and human/environmental interaction. Students need geographic knowledge to analyze issues and problems to better understand how humans have interacted with their environment over time, how geography has impacted settlement and population, and how geographic factors influence climate, culture, the economy and world events. A geographic perspective also enables students to better understand the past and present and to prepare for the future.</p>
CATEGORY / GOAL	G.AE.	Academic Expectations
STANDARD / ORGANIZER	G.AE.2.19.	<p>Students recognize and understand the relationship between people and geography and apply their knowledge in real-life situations.</p> <p><u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades</p>
STRAND	KY.SS.G.	<p>Big Idea: Geography - Geography includes the study of the five fundamental themes of location, place, regions, movement and human/environmental interaction. Students need geographic knowledge to analyze issues and problems to better understand how humans have interacted with their environment over time, how geography has impacted settlement and population, and how geographic factors influence climate, culture, the economy and world events. A geographic perspective also enables students to better understand the past and present and to prepare for the future.</p>
CATEGORY / GOAL	G.EK.	Grade 8 Enduring Knowledge – Understandings
STANDARD / ORGANIZER	G.EK.3.	<p>Regions help us to see Earth as an integrated system of places and features organized by such principles as landform types, political units, economic patterns and cultural groups.</p> <p><u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades</p>
STRAND	KY.SS.G.	<p>Big Idea: Geography - Geography includes the study of the five fundamental themes of location, place, regions, movement and human/environmental interaction. Students need geographic</p>

		knowledge to analyze issues and problems to better understand how humans have interacted with their environment over time, how geography has impacted settlement and population, and how geographic factors influence climate, culture, the economy and world events. A geographic perspective also enables students to better understand the past and present and to prepare for the future.
CATEGORY / GOAL	G.SC.	Grade 8 Skills and Concepts
STANDARD / ORGANIZER	G.SC.1.	Demonstrate an understanding of patterns on Earth’s surface using a variety of geographic tools (e.g., maps, globes, charts, graphs, photographs, models):
EXPECTATION	G.SC.1.a.	<p>Locate, in absolute or relative terms, landforms and bodies of water</p> <p><u>Virtual Field Trips</u> Barcelona - English Barcelona - Espagnol Canada - An Overview Exploring Cuba 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) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades Tokyo - City of Contrasts</p>
STRAND	KY.SS.HP.	Big Idea: Historical Perspective - History is an account of events, people, ideas, and their interaction over time that can be interpreted through multiple perspectives. In order for students to understand the present and plan for the future, they must understand the past. Studying history engages students in the lives, aspirations, struggles, accomplishments and failures of real people. Students need to think in an historical context in order to understand significant ideas, beliefs, themes, patterns and events, and how individuals and societies have changed over time in Kentucky, the United States and the World.
CATEGORY / GOAL	HP.AE.	Academic Expectations
STANDARD / ORGANIZER	HP.AE.2.20.	<p>Students understand, analyze, and interpret historical events, conditions, trends, and issues to develop historical perspective.</p> <p><u>Virtual Field Trips</u> Ancient Egypt - Land of the Pharaohs Ancient Egypt - Land of the Pyramids Ancient Greece - Birthplace of Democracy Ancient Mayan Civilization Rome - The Eternal City - Part 1 Rome - The Eternal City - Part 2 Washington, DC - Grades 6 - 12</p>
STRAND	KY.SS.HP.	Big Idea: Historical Perspective - History is an account of events, people, ideas, and their interaction over time that can be interpreted through multiple perspectives. In order for students to understand the present and plan for the future, they must understand the past. Studying history engages students in the lives, aspirations, struggles, accomplishments and failures of real people. Students need to think in an historical context in order to understand significant ideas, beliefs, themes, patterns and events, and how individuals and societies have changed over time in Kentucky, the United States and the World.
CATEGORY / GOAL	HP.EK.	Grade 8 Enduring Knowledge – Understandings

STANDARD / ORGANIZER	HP.EK.1.	History is an account of human activities that is interpretive in nature, and a variety of tools (e.g., primary and secondary sources, data, artifacts) are needed to analyze and understand historical events. <u>Virtual Field Trips</u> Ancient Egypt - Land of the Pharaohs Ancient Egypt - Land of the Pyramids Ancient Greece - Birthplace of Democracy Ancient Mayan Civilization Rome - The Eternal City - Part 1 Rome - The Eternal City - Part 2
STANDARD / ORGANIZER	HP.EK.4.	Geography, culture and economics have a significant impact on historical perspectives and events. <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
STANDARD / ORGANIZER	HP.EK.5.	Advances in science and technology have a significant impact on historical events. <u>Virtual Field Trips</u> Ancient Greece - Birthplace of Democracy Ancient Mayan Civilization
STRAND	KY.SS.HP.	Big Idea: Historical Perspective - History is an account of events, people, ideas, and their interaction over time that can be interpreted through multiple perspectives. In order for students to understand the present and plan for the future, they must understand the past. Studying history engages students in the lives, aspirations, struggles, accomplishments and failures of real people. Students need to think in an historical context in order to understand significant ideas, beliefs, themes, patterns and events, and how individuals and societies have changed over time in Kentucky, the United States and the World.
CATEGORY / GOAL	HP.SC.	Grade 8 Skills and Concepts
STANDARD / ORGANIZER	HP.SC.1.	Demonstrate an understanding of the interpretative nature of history using a variety of tools and resources (e.g., primary and secondary sources, Internet, timelines, maps):
EXPECTATION	HP.SC.1.b.	Examine multiple cause-effect relationships that have shaped history (e.g., showing how a series of events are connected) <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12