

Main Criteria: Colorado Academic Standards (CAS)
Secondary Criteria: Virtual Field Trips Subjects:
 Science, Social Studies
Grade: 7
Correlation Options: Show Correlated

Colorado Academic Standards (CAS)
Science
 Grade: 7 - Adopted: 2018

CONTENT AREA	SC.MS.1.	Physical Science
STANDARD	SC.MS.1 .1.	The fact that matter is composed of atoms and molecules can be used to explain the properties of substances, diversity of materials, states of matter and phases changes.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR SC.MS.1. 1.c. Gather and make sense of information to describe that synthetic materials come from natural resources and impact society. (MS-PS1-3)

Virtual Field Trips

Amazon Rainforest - People and Threats - Grades 6-8

CONTENT AREA	SC.MS.2.	Life Science
STANDARD	SC.MS.2 .2.	Organisms reproduce, either sexually or asexually, and transfer their genetic information to their offspring.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR SC.MS.2. 2.b. Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms. (MS-LS1-5)

Virtual Field Trips

Galapagos Islands

CONTENT AREA	SC.MS.2.	Life Science
STANDARD	SC.MS.2 .5.	Organisms and populations of organisms are dependent on their environmental interactions both with other living things and with nonliving.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR	SC.MS.2.5.b.	Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems. (MS-LS2-2)
Virtual Field Trips African Safari Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Galapagos Islands National Parks - Alaska & Hawaii National Parks - Nevada, California		

CONTENT AREA	SC.MS.2.	Life Science
STANDARD	SC.MS.2.6.	Ecosystems are sustained by the continuous flow of energy, originating primarily from the sun, and the recycling of matter and nutrients within the system.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR	SC.MS.2.6.a.	Develop a model to describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem. (MS-LS2-3)
Virtual Field Trips Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 6-8 Galapagos Islands		

CONTENT AREA	SC.MS.2.	Life Science
STANDARD	SC.MS.2.7.	Ecosystems are dynamic in nature; their characteristics can vary over time. Disruptions to any physical or biological component of an ecosystem.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR	SC.MS.2.7.a.	Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations. (MS-LS2-4)
Virtual Field Trips Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Galapagos Islands National Parks - Alaska & Hawaii National Parks - Washington, Oregon, Idaho, Montana, Colorado		

INDICATOR	SC.MS.2.7.b.	Evaluate competing design solutions for maintaining biodiversity and ecosystem services. (MS-LS2-5)
		<u>Virtual Field Trips</u> African Safari Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Galapagos Islands National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah
CONTENT AREA	SC.MS.2.	Life Science
STANDARD	SC.MS.2.12.	Biodiversity is the wide range of existing life forms that have adapted to the variety of conditions on Earth, from terrestrial to marine ecosystems.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR	SC.MS.2.12.a.	Evaluate competing design solutions for maintaining biodiversity and ecosystem services. (MS-LS2-5)
		<u>Virtual Field Trips</u> African Safari Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Galapagos Islands National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah
CONTENT AREA	SC.MS.3.	Earth and Space Science
STANDARD	SC.MS.3.4.	Energy flows and matter cycles within and among Earth's systems, including the sun and Earth's interior as primary energy sources. Plate tectonics is one result of these processes.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR	SC.MS.3.4.a.	Develop a model to describe the cycling of Earth's materials and the flow of energy that drives this process. (MS-ESS2-1)
		<u>Virtual Field Trips</u> Amazon Rainforest - People and Threats - Grades 6-8 Galapagos Islands

INDICATOR	SC.MS.3.4.b.	Construct an explanation based on evidence for how geoscience processes have changed Earth's surface at varying time and spatial scales. (MS-ESS2-2)
		<u>Virtual Field Trips</u> National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah
CONTENT AREA	SC.MS.3.	Earth and Space Science
STANDARD	SC.MS.3.5.	Plate tectonics is the unifying theory that explains movements of rocks at Earth's surface and geological history.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:
INDICATOR	SC.MS.3.5.a.	Analyze and interpret data on the distribution of fossils and rocks, continental shapes, and seafloor structures to provide evidence of the past plate motions. (MS-ESS2-3)
		<u>Virtual Field Trips</u> National Parks - Alaska & Hawaii National Parks - Wyoming, Utah
CONTENT AREA	SC.MS.3.	Earth and Space Science
STANDARD	SC.MS.3.6.	Water cycles among land, ocean, and atmosphere, and is propelled by sunlight and gravity. Density variations of sea water drive interconnected ocean currents. Water movement causes weathering and erosion, changing landscape features.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:
INDICATOR	SC.MS.3.6.a.	Construct an explanation based on evidence for how geoscience processes have changed Earth's surface at varying time and spatial scales. (MS-ESS2-2)
		<u>Virtual Field Trips</u> National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah
INDICATOR	SC.MS.3.6.c.	Collect data to provide evidence for how the motions and complex interactions of air masses result in changes in weather conditions. (MSESS2-5)
		<u>Virtual Field Trips</u> Canada: Coast to Coast
INDICATOR	SC.MS.3.6.d.	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. (MS-ESS2-6)
		<u>Virtual Field Trips</u> Galapagos Islands

CONTENT AREA	SC.MS.3.	Earth and Space Science
STANDARD	SC.MS.3.7.	Complex interactions determine local weather patterns and influence climate, including the role of the ocean.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR SC.MS.3.7.a. Collect data to provide evidence for how the motions and complex interactions of air masses result in changes in weather conditions. (MSESS2-5)

Virtual Field Trips
Canada: Coast to Coast

INDICATOR SC.MS.3.7.b. 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. (MS-ESS2-6)

Virtual Field Trips
Galapagos Islands

CONTENT AREA	SC.MS.3.	Earth and Space Science
STANDARD	SC.MS.3.8.	Humans depend on Earth's land, ocean, atmosphere, and biosphere for different resources, many of which are limited or not renewable. Resources are distributed unevenly around the planet as a result of past geologic processes.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR SC.MS.3.8.a. 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. (MS-ESS3-1)

Virtual Field Trips
Amazon Rainforest - People and Threats - Grades 6-8
Canada: Coast to Coast
Canada: Our Northern Neighbor
National Parks - Alaska & Hawaii
National Parks - Nevada, California

CONTENT AREA	SC.MS.3.	Earth and Space Science
STANDARD	SC.MS.3.10.	Human activities have altered the biosphere, sometimes damaging it, although changes to environments can have different impacts for different living things.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR	SC.MS.3.10.a.	Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment. (MS-ESS3-3) Virtual Field Trips African Safari Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Galapagos Islands National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah
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INDICATOR	SC.MS.3.10.b.	Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems. (MS-ESS3-4) Virtual Field Trips Amazon Rainforest - People and Threats - Grades 6-8
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CONTENT AREA	SC.MS.3.	Earth and Space Science
STANDARD	SC.MS.3.11.	Human activities affect global warming. Decisions to reduce the impact of global warming depend on understanding climate science, engineering capabilities, and social dynamics.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR	SC.MS.3.11.a.	Ask questions to clarify evidence of the factors that have caused the rise in global temperatures over the past century. (MS-ESS3-5) Virtual Field Trips Canada: Coast to Coast National Parks - Washington, Oregon, Idaho, Montana, Colorado
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Colorado Academic Standards (CAS)
Social Studies
Grade: 7 - Adopted: 2022

CONTENT AREA		Prepared Graduates in Social Studies
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STANDARD	1	Apply the process of inquiry to examine and analyze how historical knowledge is viewed, constructed, and interpreted. Virtual Field Trips Ancient China - Qin & Han Dynasties Ancient China - Shang & Zhou Dynasties Ancient Egypt - Land of the Pharaohs Ancient Egypt - Land of the Pyramids Ancient Greece Ancient Mayan Civilization Ancient Rome Canada: Coast to Coast Canada: Our Northern Neighbor Rome - The Eternal City
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STANDARD	2	Analyze historical time periods and patterns of continuity and change, through multiple perspectives, within and among cultures and societies. Virtual Field Trips Ancient China - Qin & Han Dynasties Ancient China - Shang & Zhou Dynasties Ancient Egypt - Land of the Pharaohs Ancient Egypt - Land of the Pyramids Ancient Greece Ancient Mayan Civilization Ancient Rome Canada: Coast to Coast Canada: Our Northern Neighbor Rome - The Eternal City
STANDARD	3	Apply geographic representations and perspectives to analyze human movement, spatial patterns, systems, and the connections and relationships among them. Virtual Field Trips African Safari Amazon Rainforest - People and Threats - Grades 6-8 Ancient China - Qin & Han Dynasties Canada: Coast to Coast Canada: Our Northern Neighbor Exploring Cuba London - City of Pomp & Majesty National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah Paris - City of Light - Grades Virtual Field Trips Tokyo - City of Contrasts
STANDARD	4	Examine the characteristics of places and regions, and the changing nature among geographic and human interactions. Virtual Field Trips African Safari Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 6-8 Ancient China - Qin & Han Dynasties Barcelona Canada: Coast to Coast Canada: Our Northern Neighbor Exploring Cuba London - City of Pomp & Majesty National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah Paris - City of Light - Grades Virtual Field Trips Tokyo - City of Contrasts
STANDARD	7	Analyze the origins, structures, and functions of governments to evaluate the impact on citizens and the global society. Virtual Field Trips Canada: Our Northern Neighbor
CONTENT AREA		History

STANDARD	SS.7.1.2.	Apply an understanding of the historical context of significant current events, individuals, groups, ideas, and themes within regions of the Eastern Hemisphere and their relationships with one another, to draw conclusions, and solve problems.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR	SS.7.1.2. a.	Identify and explain the historical context of key people, regions, events, and ideas, including the roots of current issues. For example: The contributions of Mansa Musa, the roots of Abrahamic religions, the significance of political revolutions, the implications of the Atlantic Slave Trade, the rise of European Nationalism, and the rise of Communism. Virtual Field Trips Ancient China - Qin & Han Dynasties Ancient China - Shang & Zhou Dynasties
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INDICATOR	SS.7.1.2. b.	Investigate and evaluate the social, political, cultural, and technological development of regions in the Eastern Hemisphere. For example: The river valley civilizations, Hammurabi's Code, Greek democracy, the Roman Republic, the Chinese inventions of gunpowder and the compass, and the printing press. Virtual Field Trips Ancient China - Shang & Zhou Dynasties
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INDICATOR	SS.7.1.2. d.	Explain the interdependence and uniqueness among peoples in the Eastern Hemisphere during significant eras or events, including their influence on modern society. For example: African Empires, the Silk Road and cultural diffusion, and the colonization of Africa, India, and Australia. Virtual Field Trips Ancient China - Qin & Han Dynasties
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CONTENT AREA		Geography
STANDARD	SS.7.2.1.	Use geographic tools and sources to research and make geographic inferences and predictions about the Eastern Hemisphere.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR	SS.7.2.1. b.	Collect, classify, and analyze data to make geographic inferences and predictions. Virtual Field Trips Barcelona London - City of Pomp & Majesty Paris - City of Light - Grades Virtual Field Trips Rome - The Eternal City Tokyo - City of Contrasts
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INDICATOR	SS.7.2.1.f	Assess geographic data to draw conclusions, make predictions, and justify potential solutions to problems in the Eastern Hemisphere at the local, state, national, and global levels using supporting evidence and logical reasoning.
		Virtual Field Trips Barcelona London - City of Pomp & Majesty Paris - City of Light - Grades Virtual Field Trips Rome - The Eternal City Tokyo - City of Contrasts

CONTENT AREA		Geography
STANDARD	SS.7.2.2.	Evaluate regional differences and perspectives in the Eastern Hemisphere and how they impact human and environmental interactions.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR	SS.7.2.2. a.	Determine how physical and political features impact cultural diffusion and regional differences. For example: Modern environmental issues, cultural patterns, trade barriers, and economic interdependence.
		Virtual Field Trips Barcelona London - City of Pomp & Majesty Paris - City of Light - Grades Virtual Field Trips Rome - The Eternal City Tokyo - City of Contrasts

INDICATOR	SS.7.2.2. b.	Examine the geographic location and distribution of resources within a region to determine the economic and social impact on its people. For example: Middle Eastern water rights, the acceptance of refugees from other countries, and the Salt Trade.
		Virtual Field Trips Barcelona London - City of Pomp & Majesty Paris - City of Light - Grades Virtual Field Trips Rome - The Eternal City Tokyo - City of Contrasts

CONTENT AREA		Civics
STANDARD	SS.7.4.1	Investigate similarities and differences of civic participation within different governmental systems of the Eastern Hemisphere.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR	SS.7.4.1. b.	Analyze the opportunities and limitations of civic participation in societies in the Eastern Hemisphere.
		Virtual Field Trips Tokyo - City of Contrasts

CONTENT AREA		Civics
STANDARD	SS.7.4.2	Analyze how nations in various regions of the Eastern Hemisphere interact with international organizations, govern, organize, and impact their societies in different ways.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR SS.7.4.2. a. Explain the origins, functions, and structure of different governments. For example: Dictatorship, totalitarianism, authoritarian, monarchy, democracy, constitutional republic, socialism, fascism, and communism.

Virtual Field Trips

Tokyo - City of Contrasts

INDICATOR SS.7.4.2. b. Evaluate and analyze how various governments and organizations interact, resolve their differences, and cooperate. For example: The African Union (AU), the Association of Southeast Asian Nations (ASEAN), the United Nations, the World Bank, international treaties, and diplomacy.

Virtual Field Trips

Tokyo - City of Contrasts

INDICATOR SS.7.4.2. c. Investigate examples of collaboration and interdependence between international organizations and countries. For example: The protection of human rights; the role of non-governmental organizations (NGOs), the Red Cross, World Health Organization, and United Nations Educational, Scientific, and Cultural Organization (UNESCO).

Virtual Field Trips

Ancient China - Qin & Han Dynasties

CONTENT AREA		Personal Financial Literacy
STANDARD	SS.7.5.1.	Investigate the role of consumers and businesses within the Eastern Hemisphere.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR SS.7.5.1. a. Define resources from an economic and personal finance perspective.

Virtual Field Trips

Ancient China - Qin & Han Dynasties

Ancient Rome

INDICATOR SS.7.5.1. c. Compare and contrast goods and services available to consumers within different cultures as they developed in the Eastern Hemisphere throughout history.

Virtual Field Trips

Ancient China - Qin & Han Dynasties

Ancient Rome