

Main Criteria: Colorado Academic Standards (CAS)
Secondary Criteria: Virtual Field Trips Subjects:
 Science, Social Studies
Grade: 6
Correlation Options: Show Correlated

Colorado Academic Standards (CAS)
Science
 Grade: 6 - 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 2-5

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.a. Use argument based on empirical evidence and scientific reasoning to support an explanation for how characteristic animal behaviors and specialized plant structures affect the probability of successful reproduction of animals and plants respectively. (MS-LS1-4)

Virtual Field Trips

How Coral Reefs Are Formed

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

How Coral Reefs Are Formed

CONTENT AREA	SC.MS.2.	Life Science
STANDARD	SC.MS.2 .4.	Each sense receptor responds to different inputs (electromagnetic, mechanical, chemical), transmitting them as signals that travel along nerve cells to the brain.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes

EVIDENCE OUTCOMES		Students Can:
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INDICATOR SC.MS.2.4.a. Gather and synthesize information that sensory receptors respond to stimuli by sending messages to the brain for immediate behavior or storage as memories. (MS-LS1-8)

Virtual Field Trips

[Who Lives On a Coral Reef?](#)

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 2-5](#)

[Amazon Rainforest - Grades 6-8](#)

[Amazon Rainforest - People and Threats - Grades 2-5](#)

[Amazon Rainforest - People and Threats - Grades 6-8](#)

[Canada: Coast to Coast](#)

[Galapagos Islands](#)

[How Coral Reefs Are Formed](#)

[National Parks - Alaska & Hawaii](#)

[National Parks - Nevada, California](#)

[The Sahara Desert](#)

[Who Lives On a Coral Reef?](#)

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 2-5](#)

[Amazon Rainforest - Grades 6-8](#)

[Amazon Rainforest - People and Threats - Grades 2-5](#)

[Amazon Rainforest - People and Threats - Grades 6-8](#)

[Galapagos Islands](#)

[Who Lives On a Coral Reef?](#)

CONTENT AREA	SC.MS.2.	Life Science
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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 2-5 Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Galapagos Islands How Coral Reefs Are Formed National Parks - Alaska & Hawaii National Parks - Washington, Oregon, Idaho, Montana, Colorado The Sahara Desert Who Lives On a Coral Reef?

INDICATOR	SC.MS.2.7.b.	Evaluate competing design solutions for maintaining biodiversity and ecosystem services. (MS-LS2-5)
		Virtual Field Trips African Safari Amazon Rainforest - People and Threats - Grades 2-5 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 Who Lives On a Coral Reef?

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) Virtual Field Trips African Safari Amazon Rainforest - Grades 2-5 Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Galapagos Islands How Coral Reefs Are Formed National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah Who Lives On a Coral Reef?
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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) Virtual Field Trips Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8 Galapagos Islands
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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) Virtual Field Trips National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah
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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)
		Virtual Field Trips 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)
		Virtual Field Trips 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)
		Virtual Field Trips 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)
		Virtual Field Trips 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)
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Virtual Field Trips
Amazon Rainforest - People and Threats - Grades 2-5
Amazon Rainforest - People and Threats - Grades 6-8
Canada: Coast to Coast
Canada: Our Northern Neighbor
National Parks - Alaska & Hawaii
National Parks - Nevada, California
The Sahara Desert

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)
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Virtual Field Trips
African Safari
Amazon Rainforest - People and Threats - Grades 2-5
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
Who Lives On a Coral Reef?

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)
<u>Virtual Field Trips</u> Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8 Who Lives On a Coral Reef?		
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](#)
[Who Lives On a Coral Reef?](#)

Colorado Academic Standards (CAS)

Social Studies

Grade: 6 - 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](#)

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 2-5 Amazon Rainforest - People and Threats - Grades 6-8 Ancient China - Qin & Han Dynasties Canada: Coast to Coast Canada: Our Northern Neighbor Exploring Cuba How Coral Reefs Are Formed 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 6 - 8 The Sahara Desert Tokyo - City of Contrasts Who Lives On a Coral Reef?
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 2-5 Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 2-5 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 6 - 8 The Sahara Desert Tokyo - City of Contrasts

STANDARD	7	Analyze the origins, structures, and functions of governments to evaluate the impact on citizens and the global society.
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Virtual Field Trips

Canada: Our Northern Neighbor

CONTENT AREA		History
STANDARD	SS.6.1.2.	Investigate the historical eras, individuals, groups, ideas, and themes within regions of the Western Hemisphere and their relationships with one another.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR	SS.6.1.2. b.	Determine and explain the historical context of key people, events, cause and effect relationships, and ideas over time including the examination of different perspectives from people involved. For example: The complex interactions between majority and minority groups and individuals involved in European colonization in the Western hemisphere.
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Virtual Field Trips

Ancient Mayan Civilization

Canada: Our Northern Neighbor

INDICATOR	SS.6.1.2. c.	Identify examples of the social, political, cultural, and economic development in the Western Hemisphere. For example: The extension of networks of communication, colonial empires, patterns of migration over time, and international trade.
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Virtual Field Trips

Canada: Coast to Coast

Canada: Our Northern Neighbor

Washington, DC - Grades 6 - 8

INDICATOR	SS.6.1.2. d.	Explain the interdependence and uniqueness among Indigenous Peoples in the Western Hemisphere including the existing conflict and power dynamics between Indigenous Peoples and those in power.
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Virtual Field Trips

National Parks - Alaska & Hawaii

National Parks - Nevada, California

National Parks - Washington, Oregon, Idaho, Montana, Colorado

National Parks - Wyoming, Utah

CONTENT AREA		Geography
STANDARD	SS.6.2.2.	Evaluate how regional differences and perspectives in the Western Hemisphere impact human and environmental interactions.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR	SS.6.2.2. a.	Classify and analyze the types of human and geographic connections between places and regions. Virtual Field Trips Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8 Ancient China - Qin & Han Dynasties Canada: Coast to Coast Canada: Our Northern Neighbor
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INDICATOR	SS.6.2.2. b.	Identify physical features of the Western Hemisphere and explain their effects on people who reside in those regions. Virtual Field Trips Exploring Cuba Galapagos Islands National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah Washington, DC - Grades 6 - 8
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INDICATOR	SS.6.2.2. d.	Use characteristics to define physical and political regions of the past and present. Virtual Field Trips Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8 Ancient China - Qin & Han Dynasties Canada: Coast to Coast Canada: Our Northern Neighbor
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CONTENT AREA		Economics
STANDARD	SS.6.3.1.	Investigate how different economic systems developed based on access to resources, societal values, and human experiences, in order to address the problem of scarcity.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR	SS.6.3.1. a.	Describe how current economic systems in the Western Hemisphere (such as traditional, command, market, and mixed) developed. Virtual Field Trips Canada: Coast to Coast Canada: Our Northern Neighbor Exploring Cuba
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INDICATOR	SS.6.3.1. c.	Explain how different societies view and use money and resources. Virtual Field Trips Barcelona
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CONTENT AREA		Civics
STANDARD	SS.6.4.1	Examine civic participation within different governmental systems of the Western Hemisphere.

CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR	SS.6.4.1. b.	Explain how political ideas of significant people and groups interact, are interconnected, and influence nations and regions in the Western Hemisphere, both in the past and today. <u>Virtual Field Trips</u> Canada: Our Northern Neighbor Exploring Cuba
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INDICATOR	SS.6.4.1. c.	Analyze political issues from national and global perspectives over time in North America, South America, and the Caribbean. <u>Virtual Field Trips</u> Canada: Our Northern Neighbor Exploring Cuba
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INDICATOR	SS.6.4.1. d.	Identify historical examples illustrating how people from diverse backgrounds such as African American, Latino, Asian American, and Indigenous Peoples in the Western Hemisphere perceived, reacted to, and influenced national and international policies and issues. <u>Virtual Field Trips</u> National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah
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CONTENT AREA		Civics
STANDARD	SS.6.4.2	Explain how the development and features of systems of government in the Western Hemisphere relate to their citizens.
CONCEPTS AND SKILLS / EVIDENCE OUTCOMES		Evidence Outcomes
EVIDENCE OUTCOMES		Students Can:

INDICATOR	SS.6.4.2. a.	Examine and explain the development of foundational principles of government systems in the Western Hemisphere. <u>Virtual Field Trips</u> Ancient Greece Canada: Our Northern Neighbor Exploring Cuba
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INDICATOR	SS.6.4.2. b.	Describe structures and functions of different systems of government in the Western Hemisphere. <u>Virtual Field Trips</u> Canada: Our Northern Neighbor Exploring Cuba
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INDICATOR	SS.6.4.2.c.	Identify how different systems of government relate to their citizens in the Western Hemisphere and how systems of government create advantages for some of their citizens and disadvantages for others. Virtual Field Trips Canada: Our Northern Neighbor Exploring Cuba
INDICATOR	SS.6.4.2.d.	Compare the economic components of the different systems of government in the Western Hemisphere. Virtual Field Trips Canada: Coast to Coast Canada: Our Northern Neighbor Exploring Cuba
INDICATOR	SS.6.4.2.e.	Explain the value each nation and/or culture places on economic prosperity, individual liberty, human rights, freedom of the press, freedom of religion, equal rights, and respect for neighbors. Virtual Field Trips Canada: Our Northern Neighbor Exploring Cuba
INDICATOR	SS.6.4.2.f.	Investigate the historical, social, and cultural influences of minorities on civil governments of the United States, and the rest of the Western Hemisphere. Virtual Field Trips National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah