

Main Criteria: New Hampshire College and Career Ready Standards

Secondary Criteria: Virtual Field Trips

Subjects: Science, Social Studies

Grade: 6

Correlation Options: Show Correlated

New Hampshire College and Career Ready Standards

Science

Grade: 6 - Adopted: 2016

ST RAND / ST ANDARD	NGSS.MS -PS.	PHYSICAL SCIENCE
ST ANDARD / GLE	MS-PS1.	Matter and Its Interactions
GRADE LEVEL EXPECTATION		Students who demonstrate understanding can:

EXPECTATION MS-PS1-3. Gather and make sense of information to describe that synthetic materials come from natural resources and impact society.

Virtual Field Trips

Amazon Rainforest - People and Threats - Grades 2-5

Amazon Rainforest - People and Threats - Grades 6-8

ST RAND / ST ANDARD	NGSS.MS -LS.	LIFE SCIENCE
ST ANDARD / GLE	MS-LS1.	From Molecules to Organisms: Structures and Processes
GRADE LEVEL EXPECTATION		Students who demonstrate understanding can:

EXPECTATION MS-LS1-4. 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.

Virtual Field Trips

How Coral Reefs Are Formed

EXPECTATION MS-LS1-5. Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms.

Virtual Field Trips

Galapagos Islands

How Coral Reefs Are Formed

EXPECTATION MS-LS1-8. Gather and synthesize information that sensory receptors respond to stimuli by sending messages to the brain for immediate behavior or storage as memories.

Virtual Field Trips

Who Lives On a Coral Reef?

ST RAND / ST ANDARD	NGSS.MS -LS.	LIFE SCIENCE
ST ANDARD / GLE	MS-LS2.	Ecosystems: Interactions, Energy, and Dynamics
GRADE LEVEL EXPECTATION		Students who demonstrate understanding can:

EXPECTATION	MS-LS2-2.	Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems. 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 The Sahara Desert Who Lives On a Coral Reef?
EXPECTATION	MS-LS2-3.	Develop a model to describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem. 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?
EXPECTATION	MS-LS2-4.	Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations. 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?
EXPECTATION	MS-LS2-5.	Evaluate competing design solutions for maintaining biodiversity and ecosystem services. 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?

STRAND / STANDARD	NGSS.MS-ESS.	EARTH AND SPACE SCIENCE
STANDARD / GLE	MS-ESS2.	Earth's Systems
GRADE LEVEL EXPECTATION		Students who demonstrate understanding can:

EXPECTATION	MS-ESS2-1.	Develop a model to describe the cycling of Earth's materials and the flow of energy that drives this process. Virtual Field Trips Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8 Galapagos Islands
EXPECTATION	MS-ESS2-2.	Construct an explanation based on evidence for how geoscience processes have changed Earth's surface at varying time and spatial scales. Virtual Field Trips National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah
EXPECTATION	MS-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. Virtual Field Trips National Parks - Alaska & Hawaii National Parks - Wyoming, Utah
EXPECTATION	MS-ESS2-5.	Collect data to provide evidence for how the motions and complex interactions of air masses results in changes in weather conditions. Virtual Field Trips Canada: Coast to Coast
EXPECTATION	MS-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. Virtual Field Trips Galapagos Islands
STRAND / STANDARD	NGSS.MS-ESS.	EARTH AND SPACE SCIENCE
STANDARD / GLE	MS-ESS3.	Earth and Human Activity
GRADE LEVEL EXPECTATION		Students who demonstrate understanding can:
EXPECTATION	MS-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. 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

EXPECTATION	MS-ESS3-3.	Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment. 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?
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EXPECTATION	MS-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. Virtual Field Trips Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8 Who Lives On a Coral Reef?
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EXPECTATION	MS-ESS3-5.	Ask questions to clarify evidence of the factors that have caused the rise in global temperatures over the past century. Virtual Field Trips Canada: Coast to Coast National Parks - Washington, Oregon, Idaho, Montana, Colorado Who Lives On a Coral Reef?
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New Hampshire College and Career Ready Standards

Social Studies

Grade: 6 - Adopted: 2006

STRAND / STANDARD		Civics and Governments: The goal of Civics is to educate students to understand the purpose, structure, and functions of government; the political process; the rule of law; and world affairs. Civics builds on a foundation of history, geography, and economics to teach students to become responsible, knowledgeable citizens, committed to participation in public affairs.
STANDARD / GLE	SS:CV:1:	The Nature and Purpose of Government: Students will demonstrate an understanding of the nature of governments, and the fundamental ideals of government of the United States.

GRADE LEVEL EXPECTATION	SS:CV:6: 1.1:	Apply the ideals and principles of the American system of government to historic and contemporary examples, e.g., individual rights and responsibilities, minority rights, or equality of opportunity and equal protection under the law. Virtual Field Trips Washington, DC - Grades 6 - 8
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GRADE LEVEL EXPECTATION	SS:CV:6: 1.4:	Differentiate among the major forms of limited and unlimited governments, e.g., monarchy, oligarchy, or democracy. Virtual Field Trips Canada: Our Northern Neighbor
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STRAND / STANDARD		Civics and Governments: The goal of Civics is to educate students to understand the purpose, structure, and functions of government; the political process; the rule of law; and world affairs. Civics builds on a foundation of history, geography, and economics to teach students to become responsible, knowledgeable citizens, committed to participation in public affairs.
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STANDARD / GLE	SS:CV:3 :	The World and the United States' Place In It: Students will demonstrate an understanding of the relationship of the United States to other countries, and the role of the United States in world affairs.
GRADE LEVEL EXPECTATION	SS:CV:6: 3.1:	Identify other countries in the world and their different forms of government, e.g., monarchy, oligarchy, or democracy. Virtual Field Trips Canada: Our Northern Neighbor
GRADE LEVEL EXPECTATION	SS:CV:6: 3.3:	Discuss the reasons for conflicts between and among countries and peoples, e.g., natural resources or religion. Virtual Field Trips Ancient China - Qin & Han Dynasties Ancient China - Shang & Zhou Dynasties Ancient Greece
STRAND / STANDARD		Economics: Economics is the study of the allocation and utilization of limited resources to meet society's unlimited needs and wants, including how goods and services are produced and distributed. Through economics, students examine the relationship between costs and benefits. They develop an understanding of basic economic concepts; economics in history; how economics affects and is affected by the individual; cycles in the economy; financial institutions and government; and international economics and trade. The goal of economic education is to prepare students to make effective decisions as consumers, producers, savers, investors, and as citizens.
STANDARD / GLE	SS:EC:2 :	Basic Economic Concepts: Students will learn about the pillars of a free market economy and the market mechanism.
GRADE LEVEL EXPECTATION	SS:EC:6: 2.2:	Identify the factors of production, e.g., entrepreneurship, human resources, capital resources, and natural resources. Virtual Field Trips Amazon Rainforest - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8
STRAND / STANDARD		Geography: The real crux of geography is understanding our physical Earth and human-environment interaction: knowing why people settle in an area, how they make their living and the resources they use, why they dress or speak the way they do, and what they do for entertainment. A geographically informed person can draw connections between locations of the Earth, recognize complex regional patterns, and appreciate the influence of place on human development.
STANDARD / GLE	SS:GE:1 :	The World in Spatial Terms: Students will demonstrate the ability to use maps, mental maps, globes, and other graphic tools and technologies to acquire, process, report, and analyze geographic information.
GRADE LEVEL EXPECTATION	SS:GE:6: 1.2:	Apply the spatial concepts of location, distance, direction, scale, movement, and region, e.g., the relative and absolute location of the student's community, or the diffusion of the English language to the United States. Virtual Field Trips African Safari 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?

GRADE LEVEL EXPECTATION	SS:GE:6: 1.3:	Utilize maps, globes, graphs, charts, models, and databases to analyze spatial distributions and patterns, e.g., climate zones, natural resources, or population density. Virtual Field Trips African Safari Amazon Rainforest - Grades 2-5 Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 6-8 Ancient China - Qin & Han Dynasties Canada: Coast to Coast Canada: Our Northern Neighbor Exploring Cuba The Sahara Desert
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STANDARD / GLE	SS:GE:2 :	Places and Regions: Students will demonstrate an understanding of the physical and human geographic features that define places and regions as well as how culture and experience influence people's perceptions of places and regions.
GRADE LEVEL EXPECTATION	SS:GE:6: 2.2:	Describe how places and regions preserve culture, e.g., songs or traditions. 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 Ancient China - Qin & Han Dynasties Canada: Our Northern Neighbor Exploring Cuba
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STANDARD / GLE	SS:GE:3 :	Physical Systems: Students will demonstrate an understanding of the physical processes that shape the patterns of Earth's surface and the characteristics and spatial distribution of ecosystems.
GRADE LEVEL EXPECTATION	SS:GE:6: 3.1:	Describe how physical processes shape patterns in the physical environment, e.g., El Nino or erosion. Virtual Field Trips National Parks - Wyoming, Utah

GRADE LEVEL EXPECTATION	SS:GE:6: 3.4:	Explain how human activities influence changes in ecosystems, e.g., the introduction of exotic species. 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 The Sahara Desert Who Lives On a Coral Reef?
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STANDARD / GLE	SS:GE:4 :	Human Systems: Students will demonstrate an understanding of human migration; the complexity of cultural mosaics; economic interdependence; human settlement patterns; and the forces of cooperation and conflict among peoples.
GRADE LEVEL EXPECTATION	SS:GE:6: 4.1:	Recognize the demographic structure of a population and its underlying causes, e.g., birth rate, ethnic composition, or distribution of wealth. Virtual Field Trips Canada: Our Northern Neighbor
GRADE LEVEL EXPECTATION	SS:GE:6: 4.2:	Know the types and historical patterns of human migration, e.g., ethnic cleansing, overcoming physical barriers, or famine. Virtual Field Trips Amazon Rainforest - People and Threats - Grades 6-8
GRADE LEVEL EXPECTATION	SS:GE:6: 4.4:	Analyze the spatial patterns of settlement, e.g., urbanization along river, agriculture on fertile plains, or nomadic lifestyles in steppes and deserts. Virtual Field Trips Ancient China - Qin & Han Dynasties Canada: Coast to Coast Canada: Our Northern Neighbor
GRADE LEVEL EXPECTATION	SS:GE:6: 4.5:	Know the functions, sizes, and spatial arrangements of settlement, e.g., urban, suburban and rural. Virtual Field Trips Barcelona London - City of Pomp & Majesty Paris - City of Light - Grades 6 - 8 Tokyo - City of Contrasts Washington, DC - Grades 6 - 8
STANDARD / STANDARD		Geography: The real crux of geography is understanding our physical Earth and human-environment interaction: knowing why people settle in an area, how they make their living and the resources they use, why they dress or speak the way they do, and what they do for entertainment. A geographically informed person can draw connections between locations of the Earth, recognize complex regional patterns, and appreciate the influence of place on human development.

STANDARD / GLE	SS:GE:5 :	Environment and Society: Students will demonstrate an understanding of the connections and consequences of the interactions between Earth's physical and human systems.
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GRADE LEVEL EXPECTATION SS:GE:6:5.1: Understand the consequences of human modification of the physical environment, e.g., coastal development or forest management.

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

STRAND / STANDARD		New Hampshire and United States History: The study of New Hampshire and United States History is important in helping citizens understand and appreciate the legacy of our republic, and to develop the empathy and analytical skills needed to participate intelligently and responsibly in our ongoing democratic experiment. Historical study exposes students to the enduring themes and issues of our past and emboldens them to courageously and compassionately meet the contemporary challenges they will face as individuals in a state, a country and an interdependent world. Ultimately, the study of history will help students plan and implement responsible actions that support and enhance our collective values.
STANDARD / GLE	SS:HI:5:	Social/Cultural: Students will demonstrate an understanding of the interaction of various social groups, including their values, beliefs and practices, over time.

GRADE LEVEL EXPECTATION SS:HI:6:5.1: Explain the impact ethnic and religious groups have had on the development of the United States, e.g., the Irish or the Mormons.

Virtual Field Trips

National Parks - Alaska & Hawaii

National Parks - Nevada, California

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

National Parks - Wyoming, Utah

STRAND / STANDARD		World History and Contemporary Issues: The study of World History and Contemporary Issues is important in helping citizens understand and appreciate the contemporary challenges they will face as individuals in an interdependent, increasingly connected world. Knowledge of past achievements and failures of different peoples and nations provides citizens of the 21st century with a broader context within which to address the many issues facing our nation and the world. World History fosters an appreciation of the roots of our nation's values and the values and perspectives of other peoples. It illustrates how humans have expressed themselves in different surroundings and at different times, revealing the many commonalities and differences shared by the world's peoples past and present.
STANDARD / GLE	SS:WH:1 :	Political Foundations and Developments: Students will demonstrate an understanding of major events, ideas and issues pertaining to the history of governance.

GRADE LEVEL EXPECTATION SS:WH:6:1.1: Describe different types of political systems created by people, e.g., the tribe, the empire or the nation-state.

Virtual Field Trips

Ancient China - Qin & Han Dynasties

Ancient Egypt - Land of the Pharaohs

Ancient Greece

Ancient Mayan Civilization

Canada: Coast to Coast

Canada: Our Northern Neighbor

STRAND / STANDARD		World History and Contemporary Issues: The study of World History and Contemporary Issues is important in helping citizens understand and appreciate the contemporary challenges they will face as individuals in an interdependent, increasingly connected world. Knowledge of past achievements and failures of different peoples and nations provides citizens of the 21st century with a broader context within which to address the many issues facing our nation and the world. World History fosters an appreciation of the roots of our nation's values and the values and perspectives of other peoples. It illustrates how humans have expressed themselves in different surroundings and at different times, revealing the many commonalities and differences shared by the world's peoples past and present.
STANDARD / GLE	SS:WH:2 :	Contacts, Exchanges & International Relations: Students will demonstrate their understanding of the interactions of peoples and governments over time.

GRADE LEVEL EXPECTATION	SS:WH:6: 2.1:	Describe the impact of land and water routes on trade, e.g., the Silk Roads, the Atlantic Triangular Trade, or the Suez Canal.
		Virtual Field Trips Ancient China - Qin & Han Dynasties

GRADE LEVEL EXPECTATION	SS:WH:6: 2.2:	Explore the spread and impact of ideas and technology, e.g., the concept of zero, gunpowder or the transistor.
		Virtual Field Trips Ancient China - Qin & Han Dynasties Ancient China - Shang & Zhou Dynasties Ancient Greece Ancient Mayan Civilization

GRADE LEVEL EXPECTATION	SS:WH:6: 2.4:	Examine how military encounters have led to cultural exchange, e.g., Alexander of Macedonia, conquistadors in the New World, or 20th century Japanese imperialism in Asia
		Virtual Field Trips Ancient Greece Tokyo - City of Contrasts

STRAND / STANDARD		World History and Contemporary Issues: The study of World History and Contemporary Issues is important in helping citizens understand and appreciate the contemporary challenges they will face as individuals in an interdependent, increasingly connected world. Knowledge of past achievements and failures of different peoples and nations provides citizens of the 21st century with a broader context within which to address the many issues facing our nation and the world. World History fosters an appreciation of the roots of our nation's values and the values and perspectives of other peoples. It illustrates how humans have expressed themselves in different surroundings and at different times, revealing the many commonalities and differences shared by the world's peoples past and present.
STANDARD / GLE	SS:WH:3 :	World Views and Value systems and their Intellectual and Artistic Expressions: Students will demonstrate their understanding of conceptions of reality, ideals, guidelines of behavior and their forms of expression.

GRADE LEVEL EXPECTATION	SS:WH:6: 3.1:	Differentiate the spread of world religions, e.g., Judaism, Christianity, or Islam.
		Virtual Field Trips Jerusalem - Then and Now (Older Grades)

GRADE LEVEL EXPECTATION	SS:WH:6: 3.2:	Explore the development of education and its impact on societies, e.g., medicine in ancient Egypt or ancient Greece.
		Virtual Field Trips Ancient Egypt - Land of the Pharaohs Ancient Egypt - Land of the Pyramids Ancient Greece

STRAND / STANDARD		World History and Contemporary Issues: The study of World History and Contemporary Issues is important in helping citizens understand and appreciate the contemporary challenges they will face as individuals in an interdependent, increasingly connected world. Knowledge of past achievements and failures of different peoples and nations provides citizens of the 21st century with a broader context within which to address the many issues facing our nation and the world. World History fosters an appreciation of the roots of our nation's values and the values and perspectives of other peoples. It illustrates how humans have expressed themselves in different surroundings and at different times, revealing the many commonalities and differences shared by the world's peoples past and present.
STANDARD / GLE	SS:WH:4:	Economic Systems & Technology: Students will demonstrate their understanding of the changing forms of production, distribution and consumption of goods and services over time.

GRADE LEVEL EXPECTATION	SS:WH:6: 4.4:	Trace improvements in communication, e.g., the Sumerian development of writing, Chinese printing, or the creation of the Internet.
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Virtual Field Trips

Ancient China - Qin & Han Dynasties

Ancient China - Shang & Zhou Dynasties

STRAND / STANDARD		World History and Contemporary Issues: The study of World History and Contemporary Issues is important in helping citizens understand and appreciate the contemporary challenges they will face as individuals in an interdependent, increasingly connected world. Knowledge of past achievements and failures of different peoples and nations provides citizens of the 21st century with a broader context within which to address the many issues facing our nation and the world. World History fosters an appreciation of the roots of our nation's values and the values and perspectives of other peoples. It illustrates how humans have expressed themselves in different surroundings and at different times, revealing the many commonalties and differences shared by the world's peoples past and present.
STANDARD / GLE	SS:WH:5 :	Social/Cultural: Students will demonstrate their understanding of the diversity of values, beliefs, and practices of individuals and groups over time.

GRADE LEVEL EXPECTATION	SS:WH:6: 5.1:	Trace the rise and impact of cities on daily life, e.g., Timbuktu, Rome, or Mexico City.
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Virtual Field Trips

Barcelona

London - City of Pomp & Majesty

Paris - City of Light - Grades 6 - 8

Tokyo - City of Contrasts

Washington, DC - Grades 6 - 8