

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

Vermont Content Standards

Science

Grade: 8 - Adopted: 2014

STANDARD / STRAND	VT.MS-PS.	PHYSICAL SCIENCE
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	MS-PS1.	Matter and Its Interactions
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL		Students who demonstrate understanding can:

GRADE LEVEL 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 6-8

STANDARD / STRAND	VT.MS-LS.	LIFE SCIENCE
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	MS-LS1.	From Molecules to Organisms: Structures and Processes
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL		Students who demonstrate understanding can:

GRADE LEVEL 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

STANDARD / STRAND	VT.MS-LS.	LIFE SCIENCE
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	MS-LS2.	Ecosystems: Interactions, Energy, and Dynamics
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL		Students who demonstrate understanding can:

GRADE LEVEL EXPECTATION MS-LS2-2. Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems.

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

GRADE LEVEL 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 6-8 Amazon Rainforest - People and Threats - Grades 6-8 Galapagos Islands
GRADE LEVEL 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 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
GRADE LEVEL EXPECTATION	MS-LS2-5.	Evaluate competing design solutions for maintaining biodiversity and ecosystem services. Virtual Field Trips 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

STANDARD / STAND	VT.MS-ESS.	EARTH AND SPACE SCIENCE
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	MS-ESS2.	Earth's Systems
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL		Students who demonstrate understanding can:

GRADE LEVEL 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 6-8 Galapagos Islands
GRADE LEVEL 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

GRADE LEVEL 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. <u>Virtual Field Trips</u> National Parks - Alaska & Hawaii National Parks - Wyoming, Utah
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GRADE LEVEL 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. <u>Virtual Field Trips</u> Canada: Coast to Coast
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GRADE LEVEL 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. <u>Virtual Field Trips</u> Galapagos Islands
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STANDARD / STRAND	VT.MS-ESS.	EARTH AND SPACE SCIENCE
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	MS-ESS3.	Earth and Human Activity
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL		Students who demonstrate understanding can:

GRADE LEVEL 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. <u>Virtual Field Trips</u> Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Canada: Our Northern Neighbor National Parks - Alaska & Hawaii National Parks - Nevada, California
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GRADE LEVEL EXPECTATION	MS-ESS3-3.	Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment. <u>Virtual Field Trips</u> 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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GRADE LEVEL 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. <u>Virtual Field Trips</u> Amazon Rainforest - People and Threats - Grades 6-8
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GRADE LEVEL 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		

Vermont Content Standards
Social Studies
Grade: 8 - Adopted: 2017

STANDARD / STRAND	C3.D2.	Applying Disciplinary Concepts & Tools
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD		CIVICS: Civic and Political Institutions

GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Civ.4. 6-8.	Explain the powers and limits of the three branches of government, public officials, and bureaucracies at different levels in the United States and in other countries.
Virtual Field Trips Washington, DC - Grades 6 - 8		

GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Civ.5. 6-8.	Explain the origins, functions, and structure of government with reference to the U.S. Constitution, state constitutions, and selected other systems of government.
Virtual Field Trips Canada: Our Northern Neighbor		

STANDARD / STRAND	C3.D2.	Applying Disciplinary Concepts & Tools
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD		ECONOMICS: Exchange and Markets

GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Eco.5 .6-8.	Explain ways in which money facilitates exchange by reducing transactional costs.
Virtual Field Trips Barcelona		

STANDARD / STRAND	C3.D2.	Applying Disciplinary Concepts & Tools
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD		ECONOMICS: The Global Economy

GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Eco.1 5.6-8.	Explain the benefits and the costs of trade policies to individuals, businesses, and society.
Virtual Field Trips Exploring Cuba		

STANDARD / STRAND	C3.D2.	Applying Disciplinary Concepts & Tools
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD		GEOGRAPHY: Geographic Representations: Spatial Views of the World

GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Geo.2 .6-8.	Use maps, satellite images, photographs, and other representations to explain relationships between the locations of places and regions, and changes in their environmental characteristics. <u>Virtual Field Trips</u> Canada: Coast to Coast Canada: Our Northern Neighbor
STANDARD / STAND	C3.D2.	Applying Disciplinary Concepts & Tools
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD		GEOGRAPHY: Human-Environment Interaction: Place, Regions, and Culture
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Geo. 4.6-8.	Explain how cultural patterns and economic decisions influence environments and the daily lives of people in both nearby and distant places. <u>Virtual Field Trips</u> Amazon Rainforest - People and Threats - Grades 6-8 Canada: Our Northern Neighbor
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Geo. 5.6-8.	Analyze the combinations of cultural and environmental characteristics that make places both similar to and different from other places. <u>Virtual Field Trips</u> Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 6-8 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 Tokyo - City of Contrasts
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Geo. 6.6-8.	Explain how the physical and human characteristics of places and regions are connected to human identities and cultures. <u>Virtual Field Trips</u> Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 6-8 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 Tokyo - City of Contrasts
STANDARD / STAND	C3.D2.	Applying Disciplinary Concepts & Tools

ESSENTIAL KNOWLEDGE AND SKILL / STANDARD		GEOGRAPHY: Human Population: Spatial Patterns and Movements
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GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Geo. 8.6-8.	Analyze how relationships between humans and environments extend or contract spatial patterns of settlement and movement. Virtual Field Trips Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Canada: Our Northern Neighbor
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STANDARD / STANDARD	C3.D2.	Applying Disciplinary Concepts & Tools
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ESSENTIAL KNOWLEDGE AND SKILL / STANDARD		GEOGRAPHY: Global Interconnections: Changing Spatial Patterns
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GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Geo.1 0.6-8.	Analyze the ways in which cultural and environmental characteristics vary among various regions of the world. Virtual Field Trips Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Canada: Our Northern Neighbor
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GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Geo.1 1.6-8.	Explain how the relationship between the environmental characteristics of places and production of goods influences the spatial patterns of world trade. Virtual Field Trips Canada: Our Northern Neighbor
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GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Geo.1 2.6-8.	Explain how global changes in population distribution patterns affect changes in land use in particular places. Virtual Field Trips Canada: Our Northern Neighbor
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STANDARD / STANDARD	C3.D2.	Applying Disciplinary Concepts & Tools
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ESSENTIAL KNOWLEDGE AND SKILL / STANDARD		HISTORY: Change, Continuity, and Context
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GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.His.1. 6-8.	Analyze connections among events and developments in broader historical contexts. Virtual Field Trips Ancient Egypt - Land of the Pharaohs Ancient Egypt - Land of the Pyramids Ancient Greece Ancient Mayan Civilization Ancient Rome Canada: Coast to Coast Rome - The Eternal City
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GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.His.2. 6-8.	Classify series of historical events and developments as examples of change and/or continuity. <u>Virtual Field Trips</u> 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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GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.His.3. 6-8.	Use questions generated about individuals and groups to analyze why they, and the developments they shaped, are seen as historically significant. <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 8
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STANDARD / STRAND	C3.D2.	Applying Disciplinary Concepts & Tools
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD		HISTORY: Perspectives

GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.His.4. 6-8.	Analyze multiple factors that influenced the perspectives of people during different historical eras. <u>Virtual Field Trips</u> Canada: Our Northern Neighbor
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GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.His.5. 6-8.	Explain how and why perspectives of people have changed over time. <u>Virtual Field Trips</u> Canada: Our Northern Neighbor
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GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.His.6. 6-8.	Analyze how people's perspectives influenced what information is available in the historical sources they created. <u>Virtual Field Trips</u> Canada: Our Northern Neighbor
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STANDARD / STRAND	C3.D2.	Applying Disciplinary Concepts & Tools
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD		HISTORY: Causation and Argumentation

GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.His.1 4.6-8.	Explain multiple causes and effects of events and developments in the past. <u>Virtual Field Trips</u> 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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GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.His.1 5.6-8.	Evaluate the relative influence of various causes of events and developments in the past. Virtual Field Trips 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
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.His.1 6.6-8.	Organize applicable evidence into a coherent argument about the past. Virtual Field Trips Ancient Egypt - Land of the Pharaohs Ancient Egypt - Land of the Pyramids Ancient Greece Ancient Mayan Civilization Ancient Rome Canada: Coast to Coast Rome - The Eternal City