

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

Michigan Academic Standards
Science
Grade: 8 - Adopted: 2015

STRAND / STANDARD CATEGORY	MI.SC.1.	Structure and Properties of Matter
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STANDARD 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

STRAND / STANDARD CATEGORY	MI.SC.8.	Matter and Energy in Organisms and Ecosystems
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STANDARD 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

STANDARD 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

STRAND / STANDARD CATEGORY	MI.SC.9.	Interdependent Relationships in Ecosystems
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STANDARD 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

STANDARD	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
STRAND / STANDARD CATEGORY	MI.SC.10.	Growth, Development, and Reproduction of Organisms
STANDARD	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
STRAND / STANDARD CATEGORY	MI.SC.14.	History of Earth
STANDARD	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
STANDARD	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
STRAND / STANDARD CATEGORY	MI.SC.15.	Earth's Systems
STANDARD	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
STANDARD	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 6-8 Canada: Coast to Coast Canada: Our Northern Neighbor National Parks - Alaska & Hawaii National Parks - Nevada, California

STRAND / STANDARD CATEGORY	MI.SC.16.	Weather and Climate
STANDARD	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
STANDARD	MS-ESS2-5MI.	Collect data to provide evidence for how the motions and complex interactions of air masses results in changes in weather conditions in Michigan due to the Great Lakes and regional geography. <u>Virtual Field Trips</u> Canada: Coast to Coast
STANDARD	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
STANDARD	MS-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> Canada: Coast to Coast National Parks - Washington, Oregon, Idaho, Montana, Colorado
STRAND / STANDARD CATEGORY	MI.SC.17.	Human Impacts
STANDARD	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
STANDARD	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
Michigan Academic Standards Social Studies Grade: 8 - Adopted: 2019		
STRAND / STANDARD CATEGORY		SOCIAL STUDIES PROCESS AND SKILLS STANDARDS: GRADES 6-8
STANDARD	P1.	READING AND COMMUNICATION – READ AND COMMUNICATE EFFECTIVELY

GRADE LEVEL EXPECTATION	P1.1.	Use appropriate strategies to read and interpret basic social science tables, graphs, graphics, maps, and texts. <u>Virtual Field Trips</u> Canada: Coast to Coast Canada: Our Northern Neighbor
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GRADE LEVEL EXPECTATION	P1.3.	Express social science ideas clearly in written, spoken, and graphic forms, including tables, line graphs, bar graphs, pie charts, maps, and images. <u>Virtual Field Trips</u> Canada: Coast to Coast Canada: Our Northern Neighbor
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STRAND / STANDARD CATEGORY		SOCIAL STUDIES PROCESS AND SKILLS STANDARDS: GRADES 6-8
STANDARD	P2.	INQUIRY, RESEARCH, AND ANALYSIS

GRADE LEVEL EXPECTATION	P2.1.	Use compelling and supporting questions to investigate social scientific problems. <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 Rome - The Eternal City
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GRADE LEVEL EXPECTATION	P2.2.	Evaluate data presented in social science tables, graphs, graphics, maps, and texts. <u>Virtual Field Trips</u> Canada: Coast to Coast Canada: Our Northern Neighbor
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STRAND / STANDARD CATEGORY		SOCIAL STUDIES PROCESS AND SKILLS STANDARDS: GRADES 6-8
STANDARD	P3.	PUBLIC DISCOURSE AND DECISION MAKING

GRADE LEVEL EXPECTATION	P3.4.	Explain the challenges people have faced and actions they have taken to address issues at different times and places. <u>Virtual Field Trips</u> Canada: Our Northern Neighbor
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STRAND / STANDARD CATEGORY		INTEGRATED U.S. HISTORY: GRADE EIGHT
STANDARD	U3.	USHG ERA 3 – REVOLUTION AND THE NEW NATION
GRADE LEVEL EXPECTATION	U3.3.	Creating New Government(s) and a New Constitution – Explain the challenges faced by the new nation and analyze the development of the Constitution as a new plan for governing (Foundations for Civics HSCE Standard 2.1).

EXPECTATION	8 – U3.3.4.	Explain how the new Constitution resolved (or compromised) the major issues, including sharing and separation of power and checking of power among federal government institutions; dual sovereignty (state-federal power); rights of individuals; the Electoral College; the Three-Fifths Compromise; the Great Compromise; and relationships and affairs with tribal nations. Virtual Field Trips Washington, DC - Grades 6 - 8
EXPECTATION	8 – U3.3.7.	Use important ideas and documents to describe the philosophical origins of constitutional government in the United States with an emphasis on the following ideals: social contract, limited government, natural rights, right of revolution, separation of powers, bicameralism, republicanism, and popular participation in government. Virtual Field Trips Ancient Greece