

Main Criteria: Montana Content Standards

Secondary Criteria: Virtual Field Trips

Subjects: Science, Social Studies

Grade: 9

Correlation Options: Show Correlated

Montana Content Standards

Science

Grade: 9 - Adopted: 2016

CONTENT STANDARD / DOMAIN	MT.9-12.LS.	LIFE SCIENCE content standards for ninth through twelfth grades are that each student will:
BENCHMARK / STANDARD	9-12.LS.3.	Plan and conduct an investigation to provide evidence that feedback mechanisms maintain homeostasis <u>Virtual Field Trips</u> Galapagos Islands - Espagnol La Selva Amazonica - Pte 1 (En Espagnol) National Parks West - Nevada, California The Amazon Rainforest - Part 1 - Older Grades
BENCHMARK / STANDARD	9-12.LS.7.	Construct and revise an explanation based on evidence for the cycling of matter and flow of energy in aerobic and anaerobic conditions <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
BENCHMARK / STANDARD	9-12.LS.8.	Use mathematical representations to support claims for the cycling of matter and flow of energy among organisms in an ecosystem <u>Virtual Field Trips</u> Galapagos Islands - Espagnol La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
BENCHMARK / STANDARD	9-12.LS.9.	Use mathematical or computational representations to support arguments about environmental factors that affect carrying capacity, biodiversity, and populations in ecosystems <u>Virtual Field Trips</u> Galapagos Islands - Espagnol La Selva Amazonica - Pte 1 (En Espagnol) National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
BENCHMARK / STANDARD	9-12.LS.10.	Evaluate the claims, evidence, and reasoning that the complex interactions in ecosystems maintain relatively consistent numbers and types of organisms in stable conditions, but changing conditions may result in a new ecosystem <u>Virtual Field Trips</u> Galapagos Islands - Espagnol La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades
BENCHMARK / STANDARD	9-12.LS.11.	Design, evaluate, and refine a solution for reducing the direct and indirect impacts of human activities on the environment and biodiversity and analyze scientific concepts used by American

		Indians to maintain healthy relationships with environmental resources <u>Virtual Field Trips</u> Galapagos Islands - Espagnol National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 2 - Older Grades
CONTENT STANDARD / DOMAIN	MT.9-12.LS.	LIFE SCIENCE content standards for ninth through twelfth grades are that each student will:
BENCHMARK / STANDARD	9-12.LS.16.	Construct an explanation based on evidence that the process of evolution by natural selection primarily results from four factors:
GRADE LEVEL EXPECTATION / BENCHMARK	9-12.LS.16.1.	The potential for a species to increase in number <u>Virtual Field Trips</u> Galapagos Islands - Espagnol
GRADE LEVEL EXPECTATION / BENCHMARK	9-12.LS.16.4.	The proliferation of those organisms that are better able to survive and reproduce in the environment <u>Virtual Field Trips</u> Galapagos Islands - Espagnol
BENCHMARK / STANDARD	9-12.LS.18.	Construct an explanation based on evidence for how natural selection leads to adaptation of populations over time <u>Virtual Field Trips</u> Galapagos Islands - Espagnol
CONTENT STANDARD / DOMAIN	MT.9-12.LS.	LIFE SCIENCE content standards for ninth through twelfth grades are that each student will:
BENCHMARK / STANDARD	9-12.LS.19.	Evaluate the evidence supporting claims that changes in environmental conditions may result in:
GRADE LEVEL EXPECTATION / BENCHMARK	9-12.LS.19.2.	The emergence of new species over time <u>Virtual Field Trips</u> Galapagos Islands - Espagnol
GRADE LEVEL EXPECTATION / BENCHMARK	9-12.LS.19.3.	The extinction of other species <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
GRADE LEVEL EXPECTATION / BENCHMARK	9-12.LS.19.4.	Investigate and explain American Indian perspectives on changes in environmental conditions and their impacts <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
CONTENT STANDARD / DOMAIN	MT.9-12.ESS.	EARTH AND SPACE SCIENCE content standards for ninth through twelfth grades are that students will:
BENCHMARK / STANDARD	9-12.ESS.2.	Construct an explanation of the Big Bang theory based on astronomical evidence of light spectra, motion of distant galaxies, and composition of matter in the universe <u>Virtual Field Trips</u> National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1

BENCHMARK / STANDARD	9-12.ESS.5.	<p>Evaluate evidence of the past and current movements of continental and oceanic crust and the theory of plate tectonics to explain the ages of crustal rocks</p> <p><u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1</p>
BENCHMARK / STANDARD	9-12.ESS.7.	<p>Develop a model to illustrate how earth's internal and surface processes operate at different spatial and time scales to form continental and ocean-floor features</p> <p><u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1</p>
BENCHMARK / STANDARD	9-12.ESS.8.	<p>Analyze geoscience data to make the claim that one change to Earth's surface can create feedbacks that cause changes to other earth systems</p> <p><u>Virtual Field Trips</u> National Parks West - Nevada, California National Parks of the Western Region - Part 1</p>
BENCHMARK / STANDARD	9-12.ESS.10.	<p>Plan and conduct an investigation of the properties of water and its effects on earth materials and surface processes</p> <p><u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1</p>
BENCHMARK / STANDARD	9-12.ESS.11.	<p>Develop a quantitative model to describe the cycling of carbon among the hydrosphere, atmosphere, geosphere, and biosphere</p> <p><u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades</p>
BENCHMARK / STANDARD	9-12.ESS.13.	<p>Use a model to describe how variations in the flow of energy into and out of Earth's systems result in changes in climate</p> <p><u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades</p>
BENCHMARK / STANDARD	9-12.ESS.14.	<p>Analyze geoscience data and the results from global climate models to make an evidence-based forecast of the current rate of global or regional climate change and associated future impacts to Earth systems</p> <p><u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks of the Western Region - Part 1</p>
BENCHMARK / STANDARD	9-12.ESS.15.	<p>Construct an explanation based on evidence for how the availability of natural resources, occurrence of natural hazards, and changes in climate have influenced human activity</p> <p><u>Virtual Field Trips</u> Galapagos Islands - Espagnol National Parks - West - Alaska & Hawaii The Amazon Rainforest - Part 2 - Older Grades</p>
BENCHMARK / STANDARD	9-12.ESS.16.	<p>Evaluate competing design solutions for developing, managing, and utilizing energy and mineral resources based on cost-benefit ratios</p>

		<u>Virtual Field Trips</u> Galapagos Islands - Espagnol National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 2 - Older Grades
BENCHMARK / STANDARD	9-12.ESS.17.	Create a computational simulation to illustrate the relationships among management of natural resources, the sustainability of human populations, biodiversity, and investigate and explain how some American Indian tribes use scientific knowledge and practices in managing natural resources <u>Virtual Field Trips</u> Galapagos Islands - Espagnol National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 2 - Older Grades
BENCHMARK / STANDARD	9-12.ESS.18.	Evaluate or refine a technological solution that reduces impacts of human activities on natural systems <u>Virtual Field Trips</u> Galapagos Islands - Espagnol

Montana Content Standards

Social Studies

Grade: 9 - Adopted: 2000

CONTENT STANDARD / DOMAIN	MT.2.	Students analyze how people create and change structures of power, authority, and governance to understand the operation of government and to demonstrate civic responsibility.
BENCHMARK / STANDARD	2.1.	Students will analyze the historical and contemporary purpose of government and how the powers of government are acquired, modified, justified and used (e.g., checks and balances, Bill of Rights, court decisions). <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12
CONTENT STANDARD / DOMAIN	MT.3.	Students apply geographic knowledge and skills (e.g., location, place, human/environment interactions, movement, and regions).
BENCHMARK / STANDARD	3.1.	Students will interpret, use, and synthesize information from various representations of the Earth (e.g., maps, globes, satellite images, geographic information systems, three-dimensional models). <u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 Paris - City of Light - Grades 6 - 12 Paris - La Ville Lumiere (En Francais)
BENCHMARK / STANDARD	3.2.	Students will differentiate and analyze the relationships among various regional and global patterns of geographic phenomena, (e.g., land forms, soils, climate, vegetation, natural resources, population). <u>Virtual Field Trips</u> Barcelona - English Barcelona - Espagnol

		<p>La Selva Amazonica - Pte 1 (En Espagnol) National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 Paris - City of Light - Grades 6 - 12 Paris - La Ville Lumiere (En Francais) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades</p>
BENCHMARK / STANDARD	3.5.	<p>Students will select and apply appropriate geographic resources to analyze the interaction of physical and human systems (e.g., cultural patterns, demographics, unequal global distribution of resources) and their impact on environmental and societal changes.</p> <p><u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades</p>
BENCHMARK / STANDARD	3.6.	<p>Students will analyze the short-term and long-term effects that major physical changes in various parts of the world have had or might have on the environments (e.g., land use, population, resources).</p> <p><u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades</p>
BENCHMARK / STANDARD	3.7.	<p>Students will describe and compare how people create places that reflect culture, human needs, government policy, and current values and ideas as they design and build (e.g., buildings, neighborhoods, parks, industrial and agricultural centers, farms/ranches).</p> <p><u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades</p>
CONTENT STANDARD / DOMAIN	MT.4.	<p>Students demonstrate an understanding of the effects of time, continuity, and change on historical and future perspectives and relationships.</p>
BENCHMARK / STANDARD	4.2.	<p>Students will interpret how selected cultures, historical events, periods, and patterns of change influence each other.</p> <p><u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades</p>
BENCHMARK / STANDARD	4.4a.	<p>Students will analyze the significance of important people, events, and ideas (e.g., political and intellectual leadership, inventions, discoveries, the arts) in the major eras/civilizations in the history of Montana, American Indian tribes, the United States, and the world.</p> <p><u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 Washington, DC - Grades 6 - 12</p>
BENCHMARK / STANDARD	4.6.	<p>Students will investigate, interpret, and analyze the impact of multiple historical and contemporary viewpoints concerning events within and across cultures, major world religions, and political systems (e.g., assimilation, values, beliefs, conflicts).</p>

		<u>Virtual Field Trips</u> Jerusalem - Then and Now (Older Grades) La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
BENCHMARK / STANDARD	4.7.	Students will analyze and illustrate the major issues concerning history, culture, tribal sovereignty, and current status of the American Indian tribes and bands in Montana and the United States (e.g., gambling, artifacts, repatriation, natural resources, language, jurisdiction). <u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1
CONTENT STANDARD / DOMAIN	MT.6.	Students demonstrate an understanding of the impact of human interaction and cultural diversity on societies.
BENCHMARK / STANDARD	6.2.	Students will analyze human experience and cultural expression (e.g., language, literature, arts, traditions, beliefs, spirituality, values, behavior) and create a product which illustrates an integrated view of a specific culture. <u>Virtual Field Trips</u> Jerusalem - Then and Now (Older Grades)
BENCHMARK / STANDARD	6.6.	Students will analyze the interactions of individuals, groups and institutions in society (e.g., social mobility, class conflict, globalization). <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12