

Main Criteria: Wyoming Content and Performance Standards

Secondary Criteria: Virtual Field Trips

Subjects: Science, Social Studies

Grade: 9

Correlation Options: Show Correlated

Wyoming Content and Performance Standards

Science

Grade: 9 - Adopted: 2009

CONTENT STANDARD	WY.1.	Concepts and Processes: Science is a dynamic process; concepts and processes in life systems, earth and space systems, and physical systems are best learned through inquiry and investigation. Students develop an understanding of scientific content through inquiry within the context of these unifying concepts and processes: Systems, classification, order, and organization; Evidence, models, and explanations; Change, constancy, and measurement; Evolution and equilibrium and Form and function
BENCHMARK	SC11.1.3.	Life Systems: Biological Evolution: Explain how species evolve over time. Understand that evolution is the consequence of various interactions, including the genetic variability of offspring due to mutation and recombination of genes, and the ensuing selection by the environment of those offspring better able to survive and leave additional offspring. Discuss natural selection and that its evolutionary consequences provide a scientific explanation for the great diversity of organisms as evidenced by the fossil record. Examine how different species are related by descent from common ancestors. Explain how organisms are classified based on similarities that reflect their evolutionary relationships, with species being the most fundamental unit of classification. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol
BENCHMARK	SC11.1.4.	Life Systems: Interdependence of Organisms: Investigate the interrelationships and interdependence of organisms, including the ecosystem concept, energy flow, competition for resources, and human effects on the environment. <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	SC11.1.5.	Life Systems: Matter, Energy, and Organization in Living Systems: Describe the need of living systems for a continuous input of energy to maintain chemical and physical stability. Explain the unidirectional flow of energy and organic matter through a series of trophic levels in living systems. Investigate the distribution and abundance of organisms in ecosystems, which are limited by the availability of matter and energy and the ability of the living system to recycle materials. <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	SC11.1.6.	<p>Life Systems: Behavior and Adaptation: Examine behavior as the sum of responses of an organism to stimuli in its environment, which evolves through adaptation, increasing the potential for species survival. Identify adaptations as characteristics and behaviors of an organism that enhance the chance for survival and reproductive success in a particular environment.</p> <p><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</p>
CONTENT STANDARD	WY.1.	<p>Concepts and Processes: Science is a dynamic process; concepts and processes in life systems, earth and space systems, and physical systems are best learned through inquiry and investigation. Students develop an understanding of scientific content through inquiry within the context of these unifying concepts and processes: Systems, classification, order, and organization; Evidence, models, and explanations; Change, constancy, and measurement; Evolution and equilibrium and Form and function</p>
BENCHMARK	SC11.1.7.	<p>Earth and Space Systems: Geochemical Cycles: Describe the Earth as a closed system and demonstrate a conceptual understanding of the following systems:</p>
GRADE LEVEL EXAMPLE	SC11.1.7.a.	<p>Geosphere (Explain the role of energy in each of these systems, such as weather patterns, global climate, weathering, and plate tectonics.)</p> <p><u>Virtual Field Trips</u> Galapagos Islands - Espagnol National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1</p>
GRADE LEVEL EXAMPLE	SC11.1.7.b.	<p>Hydrosphere (Explain the role of energy in each of these systems, such as weather patterns, global climate, weathering, and plate tectonics.)</p> <p><u>Virtual Field Trips</u> National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1</p>
GRADE LEVEL EXAMPLE	SC11.1.7.c.	<p>Atmosphere (Explain the role of energy in each of these systems, such as weather patterns, global climate, weathering, and plate tectonics.)</p> <p><u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks West - Nevada, California</p>
GRADE LEVEL EXAMPLE	SC11.1.7.d.	<p>Biosphere (Explain the role of energy in each of these systems, such as weather patterns, global climate, weathering, and plate tectonics.)</p> <p><u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks of the Western Region - Part 1</p>
CONTENT STANDARD	WY.2.	<p>Science as Inquiry: Students demonstrate knowledge, skills, and habits of mind necessary to safely perform scientific inquiry. Inquiry is the foundation for the development of content, teaching students the use of processes of science that enable them to</p>

		construct and develop their own knowledge. Inquiry requires appropriate field, classroom, and laboratory experiences with suitable facilities and equipment.
BENCHMARK	SC11.2.4.	Students investigate the relationships between science and technology and the role of technological design in meeting human needs. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
CONTENT STANDARD	WY.3.	History and Nature of Science in Personal and Social Decisions: Students recognize the nature of science, its history, and its connections to personal, social, economic, and political decisions. Historically, scientific events have had significant impacts on our cultural heritage.
BENCHMARK	SC11.3.1.	Students examine the nature and history of science.
GRADE LEVEL EXAMPLE	SC11.3.1.a.	As scientific knowledge evolves, it impacts personal, social, economic, and political decisions. <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
GRADE LEVEL EXAMPLE	SC11.3.1.b.	The historical misuse of scientific information to make personal, social, economic, and political decisions. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
CONTENT STANDARD	WY.3.	History and Nature of Science in Personal and Social Decisions: Students recognize the nature of science, its history, and its connections to personal, social, economic, and political decisions. Historically, scientific events have had significant impacts on our cultural heritage.
BENCHMARK	SC11.3.2.	Students examine how scientific information is used to make decisions.
GRADE LEVEL EXAMPLE	SC11.3.2.b.	The role of science in solving personal, local, national, and global problems. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
GRADE LEVEL EXAMPLE	SC11.3.2.c.	The origins, limitations, and conservation of natural resources, including Wyoming examples. <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

Wyoming Content and Performance Standards

Social Studies

Grade: 9 - Adopted: 2014

CONTENT STANDARD	WY.SS12.2.	Culture and Cultural Diversity: Students demonstrate an understanding of the contributions and impacts of human interaction and cultural diversity on societies.
BENCHMARK		Students will:

GRADE LEVEL EXAMPLE	SS12.2.1.	Analyze and evaluate the ways various groups (e.g., social, political, and cultural) meet human needs and concerns (e.g., individual needs and common good) and contribute to identity (e.g., group, national, and global), situations, and events. <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
GRADE LEVEL EXAMPLE	SS12.2.2.	Analyze human experience and cultural expression (e.g., language, literature, arts, traditions, beliefs, spirituality, values, and behavior) and illustrate integrated views of a specific culture. <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
CONTENT STANDARD	WY.SS12.5.	People, Places, and Environments: Students apply their knowledge of the geographic themes (location, place, movement, region, and human/environment interactions) and skills to demonstrate an understanding of interrelationships among people, places, and environment.
BENCHMARK		Students will:
GRADE LEVEL EXAMPLE	SS12.5.2.	Physical Place and Region: Describe regionalization and analyze how physical characteristics distinguish a place, influence human trends, political and economic development, and solve immediate and long-range problems. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades