

Main Criteria: Nebraska Core Academic Content Standards

Secondary Criteria: Virtual Field Trips

Subjects: Science, Social Studies

Grade: 9

Correlation Options: Show Correlated

Nebraska Core Academic Content Standards

Science

Grade: 9 - Adopted: 2010

CONTENT STANDARD	NE.SC 1:	INQUIRY, THE NATURE OF SCIENCE, AND TECHNOLOGY: Students will combine scientific processes and knowledge with scientific reasoning and critical thinking to ask questions about phenomena and propose explanations based on gathered evidence.
STRAND	1.2.	Nature of Science
INDICATOR	12.1.2.	Students will apply the nature of scientific knowledge to their own investigations and in the evaluation of scientific explanations.
STRAND		Science and Society
GRADE LEVEL EXPECTATION	12.1.2.b.	Describe how society influences the work of scientists and how science, technology, and current scientific discoveries influence and change society <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	NE.SC 1:	INQUIRY, THE NATURE OF SCIENCE, AND TECHNOLOGY: Students will combine scientific processes and knowledge with scientific reasoning and critical thinking to ask questions about phenomena and propose explanations based on gathered evidence.
STRAND	1.2.	Nature of Science
INDICATOR	12.1.2.	Students will apply the nature of scientific knowledge to their own investigations and in the evaluation of scientific explanations.
STRAND		Science as a Human Endeavor
GRADE LEVEL EXPECTATION	12.1.2.c.	Recognize that the work of science results in incremental advances, almost always building on prior knowledge, in our understanding of the world <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
GRADE LEVEL EXPECTATION	12.1.2.d.	Research and describe the difficulties experienced by scientific innovators who had to overcome commonly held beliefs of their times to reach conclusions that we now take for granted <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
CONTENT STANDARD	NE.SC 1:	INQUIRY, THE NATURE OF SCIENCE, AND TECHNOLOGY: Students will combine scientific processes and knowledge with

		scientific reasoning and critical thinking to ask questions about phenomena and propose explanations based on gathered evidence.
STRAND	1.3.	Technology
INDICATOR	12.1.3.	Students will solve a complex design problem.
STRAND		Understanding of Technical Design
GRADE LEVEL EXPECTATION	12.1.3.f.	Compare and contrast the reasons for the pursuit of science and the pursuit of technology <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
CONTENT STANDARD	NE.SC 3:	LIFE SCIENCE: Students will integrate and communicate the information, concepts, principles, processes, theories, and models of the Life Sciences to make connections with the natural and engineered world.
STRAND	3.1.	Structure and Function of Living Systems
INDICATOR	12.3.1.	Students will investigate and describe the chemical basis of the growth, development, and maintenance of cells.
STRAND		Behavior
GRADE LEVEL EXPECTATION	12.3.1.d.	Describe how an organism senses changes in its internal or external environment and responds to ensure survival <u>Virtual Field Trips</u> Galapagos Islands - Espagnol National Parks West - Nevada, California
CONTENT STANDARD	NE.SC 3:	LIFE SCIENCE: Students will integrate and communicate the information, concepts, principles, processes, theories, and models of the Life Sciences to make connections with the natural and engineered world.
STRAND	3.3.	Flow of Matter and Energy in Ecosystems
INDICATOR	12.3.3.	Students will describe, on a molecular level, the cycling of matter and the flow of energy between organisms and their environment.
STRAND		Flow of Energy
GRADE LEVEL EXPECTATION	12.3.3.a.	Explain how the stability of an ecosystem is increased by biological diversity <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
CONTENT STANDARD	NE.SC 3:	LIFE SCIENCE: Students will integrate and communicate the information, concepts, principles, processes, theories, and models of the Life Sciences to make connections with the natural and engineered world.
STRAND	3.3.	Flow of Matter and Energy in Ecosystems
INDICATOR	12.3.3.	Students will describe, on a molecular level, the cycling of matter and the flow of energy between organisms and their environment.
STRAND		Ecosystems
GRADE LEVEL EXPECTATION	12.3.3.b.	Recognize that atoms and molecules cycle among living and nonliving components of the biosphere <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
CONTENT STANDARD	NE.SC 3:	LIFE SCIENCE: Students will integrate and communicate the information, concepts, principles, processes, theories, and models of the Life Sciences to make connections with the natural and engineered world.

STRAND	3.3.	Flow of Matter and Energy in Ecosystems
INDICATOR	12.3.3.	Students will describe, on a molecular level, the cycling of matter and the flow of energy between organisms and their environment.
STRAND		Impact on Ecosystems
GRADE LEVEL EXPECTATION	12.3.3.d.	Analyze factors which may influence environmental quality <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
CONTENT STANDARD	NE.SC 3:	LIFE SCIENCE: Students will integrate and communicate the information, concepts, principles, processes, theories, and models of the Life Sciences to make connections with the natural and engineered world.
STRAND	3.4.	Biodiversity
INDICATOR	12.3.4.	Students will describe the theory of biological evolution.
STRAND		Biological Adaptations
GRADE LEVEL EXPECTATION	12.3.4.a.	Identify different types of adaptations necessary for survival (morphological, physiological, behavioral) <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
CONTENT STANDARD	NE.SC 3:	LIFE SCIENCE: Students will integrate and communicate the information, concepts, principles, processes, theories, and models of the Life Sciences to make connections with the natural and engineered world.
STRAND	3.4.	Biodiversity
INDICATOR	12.3.4.	Students will describe the theory of biological evolution.
STRAND		Biological Evolution
GRADE LEVEL EXPECTATION	12.3.4.b.	Recognize that the concept of biological evolution is a theory which explains the consequence of the interactions of: (1) the potential for a species to increase its numbers, (2) the genetic variability of offspring due to mutation and recombination of genes, (3) a finite supply of the resources required for life, and (4) the ensuing selection by the environment of those offspring better able to survive and leave offspring <u>Virtual Field Trips</u> Galapagos Islands - Espagnol
GRADE LEVEL EXPECTATION	12.3.4.d.	Apply the theory of biological evolution to explain diversity of life over time <u>Virtual Field Trips</u> Galapagos Islands - Espagnol
CONTENT STANDARD	NE.SC 4:	EARTH AND SPACE SCIENCES: Students will integrate and communicate the information, concepts, principles, processes, theories, and models of Earth and Space Sciences to make connections with the natural and engineered world.

STRAND	4.2.	Earth Structures and Processes
INDICATOR	12.4.2.	Students will investigate the relationships among Earth's structure, systems, and processes.
STRAND		Properties of Earth Materials
GRADE LEVEL EXPECTATION	12.4.2.a.	Recognize how Earth materials move through geochemical cycles (carbon, nitrogen, oxygen) resulting in chemical and physical changes in matter <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
CONTENT STANDARD	NE.SC 4:	EARTH AND SPACE SCIENCES: Students will integrate and communicate the information, concepts, principles, processes, theories, and models of Earth and Space Sciences to make connections with the natural and engineered world.
STRAND	4.2.	Earth Structures and Processes
INDICATOR	12.4.2.	Students will investigate the relationships among Earth's structure, systems, and processes.
STRAND		Earth's Processes
GRADE LEVEL EXPECTATION	12.4.2.b.	Describe how heat convection in the mantle propels the plates comprising Earth's surface across the face of the globe (plate tectonics) <u>Virtual Field Trips</u> Galapagos Islands - Espagnol
CONTENT STANDARD	NE.SC 4:	EARTH AND SPACE SCIENCES: Students will integrate and communicate the information, concepts, principles, processes, theories, and models of Earth and Space Sciences to make connections with the natural and engineered world.
STRAND	4.2.	Earth Structures and Processes
INDICATOR	12.4.2.	Students will investigate the relationships among Earth's structure, systems, and processes.
STRAND		Use of Earth Materials
GRADE LEVEL EXPECTATION	12.4.2.c.	Evaluate the impact of human activity and natural causes on Earth's resources (groundwater, rivers, land, fossil fuels) <u>Virtual Field Trips</u> Galapagos Islands - Espagnol The Amazon Rainforest - Part 2 - Older Grades
CONTENT STANDARD	NE.SC 4:	EARTH AND SPACE SCIENCES: Students will integrate and communicate the information, concepts, principles, processes, theories, and models of Earth and Space Sciences to make connections with the natural and engineered world.
STRAND	4.3.	Energy in Earth's Systems
INDICATOR	12.4.3.	Students will investigate and describe the relationships among the sources of energy and their effects on Earth's systems.
STRAND		Energy Sources
GRADE LEVEL EXPECTATION	12.4.3.c.	Compare and contrast benefits of renewable and nonrenewable energy sources <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
CONTENT STANDARD	NE.SC 4:	EARTH AND SPACE SCIENCES: Students will integrate and communicate the information, concepts, principles, processes, theories, and models of Earth and Space Sciences to make connections with the natural and engineered world.
STRAND	4.3.	Energy in Earth's Systems
INDICATOR	12.4.3.	Students will investigate and describe the relationships among the sources of energy and their effects on Earth's systems.

STRAND		Weather and Climate
GRADE LEVEL EXPECTATION	12.4.3.d.	Describe natural influences (Earth's rotation, mountain ranges, oceans, differential heating) on global climate <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) National Parks West - Nevada, California The Amazon Rainforest - Part 1 - Older Grades
CONTENT STANDARD	NE.SC 4:	EARTH AND SPACE SCIENCES: Students will integrate and communicate the information, concepts, principles, processes, theories, and models of Earth and Space Sciences to make connections with the natural and engineered world.
STRAND	4.4.	Earth's History
INDICATOR	12.4.4.	Students will explain the history and evolution of Earth.
STRAND		Past/Present Earth
GRADE LEVEL EXPECTATION	12.4.4.c.	Compare and contrast the physical and biological differences of the early Earth with the planet we live on today <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

Nebraska Core Academic Content Standards

Social Studies

Grade: 9 - Adopted: 2012

CONTENT STANDARD	NE.SS.12.	High School (United States/World)
STRAND	SS 12.1.	Civics: Students will develop and apply the skills of civic responsibility to make informed decisions based upon knowledge of government at local, state, national and international levels.
INDICATOR		Forms and Functions of Government
STRAND	SS 12.1.1.	Students will analyze and evaluate the foundation, structures, and functions of the United States government as well as local, state, and international governments.
GRADE LEVEL EXPECTATION	SS 12.1.1.b.	Analyze and evaluate the structure of American constitutional government (e.g., federalism, democracy, representative government, branches of the government, separation of powers, checks and balances, amendment process, concurrent/enumerated/implied powers, electoral college) <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12
CONTENT STANDARD	NE.SS.12.	High School (United States/World)
STRAND	SS 12.1.	Civics: Students will develop and apply the skills of civic responsibility to make informed decisions based upon knowledge of government at local, state, national and international levels.
INDICATOR		Civic Participation
STRAND	SS 12.1.2.	Students will address local, state, national or international issues and policies through meaningful civic participation.
GRADE LEVEL EXPECTATION	SS 12.1.2.b.	Analyze the significance and benefits of patriotic symbols, songs, holidays, and activities (e.g. Pledge of Allegiance, "The Star Spangled Banner", "America", Veteran's Day, Martin Luther King, Jr. Day, American Indian Day, Constitution Day) <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12

CONTENT STANDARD	NE.SS.12.	High School (United States/World)
STRAND	SS 12.2.	Economics: Students will utilize economic reasoning skills to make informed judgments and become effective participants in the economy at the local, state, national and international levels.
INDICATOR		Financial Literacy
STRAND	SS 12.2.10.	Students will analyze the roles and responsibilities of government in various economic systems.
GRADE LEVEL EXPECTATION	SS 12.2.10.a.	Examine how governments utilize taxation to provide goods and services to society (e.g., disaster relief, flood control, police protection) <u>Virtual Field Trips</u> Barcelona - English Barcelona - Espagnol
CONTENT STANDARD	NE.SS.12.	High School (United States/World)
STRAND	SS 12.3.	Geography: Students will develop and apply spatial perspective and geographic skills to make informed decisions regarding issues and current events at local, state, national and international levels.
INDICATOR		Places and Regions
STRAND	SS 12.3.2.	Students will examine how regions form and change over time.
GRADE LEVEL EXPECTATION	SS 12.3.2.a.	Analyze physical and human processes that shape places and regions (e.g., erosion, international trade, weathering, climate, migration, international trade) <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades
GRADE LEVEL EXPECTATION	SS 12.3.2.b.	Examine the importance of places and regions to individual and social identity (e.g., nationalism, national monuments, local legends, parks, sub-cultures, nationalism, territoriality, iconography) <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
CONTENT STANDARD	NE.SS.12.	High School (United States/World)
STRAND	SS 12.3.	Geography: Students will develop and apply spatial perspective and geographic skills to make informed decisions regarding issues and current events at local, state, national and international levels.
INDICATOR		Physical Systems
STRAND	SS 12.3.3.	Students will interpret how natural processes interact to create the natural environment
GRADE LEVEL EXPECTATION	SS 12.3.3.e.	Compare and contrast world climate regions <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades
CONTENT STANDARD	NE.SS.12.	High School (United States/World)
STRAND	SS 12.3.	Geography: Students will develop and apply spatial perspective and geographic skills to make informed decisions regarding issues and current events at local, state, national and international levels.
INDICATOR		Human Systems
STRAND	SS 12.3.4.	Students will analyze and interpret patterns of culture around the world.
GRADE LEVEL EXPECTATION	SS 12.3.4.d.	Compare and contrast internal structures of cities in developed and developing countries <u>Virtual Field Trips</u> Barcelona - English Barcelona - Espagnol

		Paris - City of Light - Grades 6 - 12 Paris - La Ville Lumiere (En Francais)
CONTENT STANDARD	NE.SS.12.	High School (United States/World)
STRAND	SS 12.3.	Geography: Students will develop and apply spatial perspective and geographic skills to make informed decisions regarding issues and current events at local, state, national and international levels.
INDICATOR		Application of Geography to Issues and Events
STRAND	SS 12.3.6.	Students will analyze issues and/or events using the geographic knowledge and skills to make informed decisions.
GRADE LEVEL EXPECTATION	SS 12.3.6.a.	Apply geographic knowledge and skills (e.g., ask geographic questions, acquire, analyze, and present geographic information) <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)

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