

Main Criteria: Delaware Standards and Instruction

Secondary Criteria: Virtual Field Trips

Subjects: Science, Social Studies

Grade: 9

Correlation Options: Show Correlated

Delaware Standards and Instruction

Science

Grade: 9 - Adopted: 2014

STANDARD / STRAND	DE.HS-LS.	LIFE SCIENCE
STRAND / INDICATOR	HS-LS1.	From Molecules to Organisms: Structures and Processes
ENDURING UNDERSTANDING		Students who demonstrate understanding can:
BENCHMARK	HS-LS1-3.	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
STANDARD / STRAND	DE.HS-LS.	LIFE SCIENCE
STRAND / INDICATOR	HS-LS2.	Ecosystems: Interactions, Energy, and Dynamics
ENDURING UNDERSTANDING		Students who demonstrate understanding can:
BENCHMARK	HS-LS2-2.	Use mathematical representations to support and revise explanations based on evidence about factors affecting biodiversity and populations in ecosystems of different scales. <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	HS-LS2-3.	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	HS-LS2-4.	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	HS-LS2-6.	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	HS-LS2-7.	Design, evaluate, and refine a solution for reducing the impacts of human activities on the environment and biodiversity. <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	HS-LS2-8.	Evaluate the evidence for the role of group behavior on individual and species' chances to survive and reproduce. <u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks West - Wyoming, Utah
STANDARD / STRAND	DE.HS-LS.	LIFE SCIENCE
STRAND / INDICATOR	HS-LS4.	Biological Evolution: Unity and Diversity
ENDURING UNDERSTANDING		Students who demonstrate understanding can:
BENCHMARK	HS-LS4-2.	Construct an explanation based on evidence that the process of evolution primarily results from four factors: (1) the potential for a species to increase in number, (2) the heritable genetic variation of individuals in a species due to mutation and sexual reproduction, (3) competition for limited resources, and (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	HS-LS4-4.	Construct an explanation based on evidence for how natural selection leads to adaptation of populations. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol
BENCHMARK	HS-LS4-5.	Evaluate the evidence supporting claims that changes in environmental conditions may result in: (1) increases in the number of individuals of some species, (2) the emergence of new species over time, and (3) the extinction of other species. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol The Amazon Rainforest - Part 2 - Older Grades
BENCHMARK	HS-LS4-6.	Create or revise a simulation to test a solution to mitigate adverse impacts of human activity on biodiversity. <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
STANDARD / STRAND	DE.HS-ESS.	EARTH AND SPACE SCIENCE
STRAND / INDICATOR	HS-ESS1.	Earth's Place in the Universe
ENDURING UNDERSTANDING		Students who demonstrate understanding can:

BENCHMARK	HS-ESS1-5.	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. <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
STANDARD / STRAND	DE.HS-ESS.	EARTH AND SPACE SCIENCE
STRAND / INDICATOR	HS-ESS2.	Earth's Systems
ENDURING UNDERSTANDING		Students who demonstrate understanding can:
BENCHMARK	HS-ESS2-1.	Develop a model to illustrate how Earth's internal and surface processes operate at different spatial and temporal scales to form continental and ocean-floor features. <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
BENCHMARK	HS-ESS2-2.	Analyze geoscience data to make the claim that one change to Earth's surface can create feedbacks that cause changes to other Earth's systems. <u>Virtual Field Trips</u> National Parks West - Nevada, California National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 2 - Older Grades
BENCHMARK	HS-ESS2-4.	Use a model to describe how variations in the flow of energy into and out of Earth's systems result in changes in climate. <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) National Parks - West - Alaska & Hawaii National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 1 - Older Grades
BENCHMARK	HS-ESS2-5.	Plan and conduct an investigation of the properties of water and its effects on Earth materials and surface processes. <u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1
BENCHMARK	HS-ESS2-6.	Develop a quantitative model to describe the cycling of carbon among the hydrosphere, atmosphere, geosphere, and biosphere. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
STANDARD / STRAND	DE.HS-ESS.	EARTH AND SPACE SCIENCE
STRAND / INDICATOR	HS-ESS3.	Earth and Human Activity
ENDURING UNDERSTANDING		Students who demonstrate understanding can:
BENCHMARK	HS-ESS3-1.	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. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol

		National Parks - West - Alaska & Hawaii The Amazon Rainforest - Part 2 - Older Grades
BENCHMARK	HS-ESS3-2.	Evaluate competing design solutions for developing, managing, and utilizing energy and mineral resources based on cost-benefit ratios. <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	HS-ESS3-3.	Create a computational simulation to illustrate the relationships among management of natural resources, the sustainability of human populations, and biodiversity. <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	HS-ESS3-4.	Evaluate or refine a technological solution that reduces impacts of human activities on natural systems. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol
BENCHMARK	HS-ESS3-5.	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. <u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks of the Western Region - Part 1
BENCHMARK	HS-ESS3-6.	Use a computational representation to illustrate the relationships among Earth systems and how those relationships are being modified due to human activity. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol National Parks - West - Alaska & Hawaii National Parks West - Nevada, California The Amazon Rainforest - Part 2 - Older Grades
STANDARD / STRAND	DE.HS-ETS.	ENGINEERING DESIGN
STRAND / INDICATOR	HS-ETS1.	Engineering Design
ENDURING UNDERSTANDING		Students who demonstrate understanding can:
BENCHMARK	HS-ETS1-1.	Analyze a major global challenge to specify qualitative and quantitative criteria and constraints for solutions that account for societal needs and wants. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades

Delaware Standards and Instruction
Social Studies

Grade: 9 - Adopted: 1995

STANDARD / STRAND	DE.C.	CIVICS
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STRAND / INDICATOR	C.2:	Students will understand the principles and ideals underlying the American political system [Politics].
ENDURING UNDERSTANDING	C.2.9-12b:	Students will understand that the functioning of the government is a dynamic process which combines the formal balances of power incorporated in the Constitution with traditions, precedents, and interpretations which have evolved over the past 200 years. (Essential for Grades 9 and 11) <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12
STANDARD / STRAND	DE.G.	GEOGRAPHY
STRAND / INDICATOR	G.1:	Students will develop a personal geographic framework, or "mental map," and understand the uses of maps and other geo-graphics [MAPS].
ENDURING UNDERSTANDING	G.1.9-12a:	Students will identify geographic patterns which emerge when collected data is mapped, and analyze mapped patterns through the application of such common geographic principles as:
BENCHMARK	G.1.9-12a.1:	Hierarchy (patterns at a detailed scale may be related to patterns at a more general scale) <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)
STANDARD / STRAND	DE.G.	GEOGRAPHY
STRAND / INDICATOR	G.2:	Students will develop a knowledge of the ways humans modify and respond to the natural environment [ENVIRONMENT].
ENDURING UNDERSTANDING	G.2.9-12a:	Students will understand the Earth's physical environment as a set of interconnected systems (ecosystems) and the ways humans have perceived, reacted to, and changed environments at local to global scales. (Essential for Grade 9) <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
STANDARD / STRAND	DE.G.	GEOGRAPHY
STRAND / INDICATOR	G.4:	Students will develop an understanding of the character and use of regions and the connections between and among them [REGIONS].
ENDURING UNDERSTANDING	G.4.9-12a:	Students will apply knowledge of the types of regions and methods of drawing boundaries to interpret the Earth's changing complexity. (Essential for Grade 9) <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades