

Main Criteria: Vermont Framework of Standards and Learning
Secondary Criteria: Virtual Field Trips
Subjects: Science, Social Studies
Grade: 9
Correlation Options: Show Correlated

Vermont Framework of Standards and Learning
Science

Grade: 9 - Adopted: 2014

STANDARD / STRAND	VT.HS-LS.	LIFE SCIENCE
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	HS-LS1.	From Molecules to Organisms: Structures and Processes
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL		Students who demonstrate understanding can:
GRADE LEVEL EXPECTATION	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	VT.HS-LS.	LIFE SCIENCE
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	HS-LS2.	Ecosystems: Interactions, Energy, and Dynamics
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL		Students who demonstrate understanding can:
GRADE LEVEL EXPECTATION	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
GRADE LEVEL EXPECTATION	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
GRADE LEVEL EXPECTATION	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

GRADE LEVEL EXPECTATION	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
GRADE LEVEL EXPECTATION	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
GRADE LEVEL EXPECTATION	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	VT.HS-LS.	LIFE SCIENCE
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	HS-LS4.	Biological Evolution: Unity and Diversity
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL		Students who demonstrate understanding can:
GRADE LEVEL EXPECTATION	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
GRADE LEVEL EXPECTATION	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
GRADE LEVEL EXPECTATION	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
GRADE LEVEL EXPECTATION	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	VT.HS-ESS.	EARTH AND SPACE SCIENCE
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	HS-ESS1.	Earth's Place in the Universe
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL		Students who demonstrate understanding can:
GRADE LEVEL EXPECTATION	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	VT.HS-ESS.	EARTH AND SPACE SCIENCE
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	HS-ESS2.	Earth's Systems
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL		Students who demonstrate understanding can:
GRADE LEVEL EXPECTATION	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
GRADE LEVEL EXPECTATION	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
GRADE LEVEL EXPECTATION	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
GRADE LEVEL EXPECTATION	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
GRADE LEVEL EXPECTATION	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	VT.HS-ESS.	EARTH AND SPACE SCIENCE
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	HS-ESS3.	Earth and Human Activity
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL		Students who demonstrate understanding can:
GRADE LEVEL EXPECTATION	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
GRADE LEVEL EXPECTATION	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
GRADE LEVEL EXPECTATION	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
GRADE LEVEL EXPECTATION	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
GRADE LEVEL EXPECTATION	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
GRADE LEVEL EXPECTATION	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	VT.HS-ETS.	ENGINEERING DESIGN
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	HS-ETS1.	Engineering Design

GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL		Students who demonstrate understanding can:
GRADE LEVEL EXPECTATION	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

Vermont Framework of Standards and Learning

Social Studies

Grade: 9 - Adopted: 2017

STANDARD / STRAND	SS.C3.	Social Studies C3 Framework
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	C3.D2.	Applying Disciplinary Concepts & Tools
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL		CIVICS: Civic and Political Institutions
GRADE LEVEL EXPECTATION	D2.Civ.4.9-12.	Explain how the U.S. Constitution establishes a system of government that has powers, responsibilities, and limits that have changed over time and that are still contested. <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12
STANDARD / STRAND	SS.C3.	Social Studies C3 Framework
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	C3.D2.	Applying Disciplinary Concepts & Tools
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL		GEOGRAPHY: Geographic Representations: Spatial Views of the World
GRADE LEVEL EXPECTATION	D2.Geo.3.9-12.	Use geographic data to analyze variations in the spatial patterns of cultural and environmental characteristics at multiple scales. <u>Virtual Field Trips</u> Barcelona - English Barcelona - 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 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
STANDARD / STRAND	SS.C3.	Social Studies C3 Framework
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	C3.D2.	Applying Disciplinary Concepts & Tools
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL		GEOGRAPHY: Human-Environment Interaction: Place, Regions, and Culture
GRADE LEVEL EXPECTATION	D2.Geo.4.9-12.	Analyze relationships and interactions within and between human and physical systems to explain reciprocal influences that occur among them. <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>
GRADE LEVEL EXPECTATION	D2.Geo.6.9-12.	<p>Evaluate the impact of human settlement activities on the environmental and cultural characteristics of specific places and regions.</p> <p><u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades</p>
STANDARD / STRAND	SS.C3.	Social Studies C3 Framework
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	C3.D2.	Applying Disciplinary Concepts & Tools
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL		GEOGRAPHY: Human Population: Spatial Patterns and Movements
GRADE LEVEL EXPECTATION	D2.Geo.7.9-12.	<p>Analyze the reciprocal nature of how historical events and the spatial diffusion of ideas, technologies, and cultural practices have influenced migration patterns and the distribution of human population.</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>
GRADE LEVEL EXPECTATION	D2.Geo.9.9-12.	<p>Evaluate the influence of long-term climate variability on human migration and settlement patterns, resource use, and land uses at local-to-global scales.</p> <p><u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades</p>
STANDARD / STRAND	SS.C3.	Social Studies C3 Framework
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	C3.D2.	Applying Disciplinary Concepts & Tools
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL		HISTORY: Change, Continuity, and Context
GRADE LEVEL EXPECTATION	D2.His.3.9-12.	<p>Use questions generated about individuals and groups to assess how the significance of their actions changes over time and is shaped by the historical context.</p> <p><u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12</p>
STANDARD / STRAND	SS.Rel.	Religious Studies
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	C3.D4.	Religious Studies Premises and Methods of Inquiry
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Rel.2.9-12.	<p>Describe and analyze examples of how religions are internally diverse at both macro levels (sects and divisions within traditions) and micro levels (differences within specific religious communities).</p> <p><u>Virtual Field Trips</u> Jerusalem - Then and Now (Older Grades)</p>

GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Rel.3.9-12.	Describe and analyze examples of how religions evolve and change over time in response to differing social, historical, and political contexts. <u>Virtual Field Trips</u> Jerusalem - Then and Now (Older Grades)
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Rel.4.9-12.	Describe and analyze examples of how religions are embedded in all aspects of culture and cannot only be isolated to the “private” sphere. <u>Virtual Field Trips</u> Jerusalem - Then and Now (Older Grades)
STANDARD / STRAND	SS.Rel.	Religious Studies
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	C3.D4.	Applications of Religious Studies Premises: Belief, Behavior, and Belonging
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Rel.7.9-12.	Analyze how beliefs, behaviors, and experiences of belonging to communities change over time. <u>Virtual Field Trips</u> Jerusalem - Then and Now (Older Grades)
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Rel.8.9-12.	Interpret how beliefs, behaviors, and experiences of belonging to various communities affect and are affected by other social, political, and cultural forces. <u>Virtual Field Trips</u> Jerusalem - Then and Now (Older Grades)
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Rel.9.9-12.	Give examples of how beliefs, behaviors, and community experiences shape and are shaped by one another in particular social and historical contexts. <u>Virtual Field Trips</u> Jerusalem - Then and Now (Older Grades)
STANDARD / STRAND	SS.Rel.	Religious Studies
ESSENTIAL KNOWLEDGE AND SKILL / STANDARD	C3.D4.	Critical Inquiry: Representation, Sources, and Evidence
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Rel.13.9-12.	Collect and analyze the meaning and significance of primary and secondary religious sources in their particular social, historical, and political context, including statements of theology and doctrine, sacred texts, depictions of rites and rituals, biographies, histories, ethnography, art and architecture, and demographic data. <u>Virtual Field Trips</u> Jerusalem - Then and Now (Older Grades)
GRADE LEVEL EXPECTATION / KNOWLEDGE AND SKILL	D2.Rel.14.9-12.	Evaluate how diverse religious sources articulate the relationship between a religion and its social and historical context. <u>Virtual Field Trips</u> Jerusalem - Then and Now (Older Grades)