

**Main Criteria:** Washington State K–12 Learning Standards and Guidelines

**Secondary Criteria:** Virtual Field Trips

**Subjects:** Science, Social Studies

**Grade:** 9

**Correlation Options:** Show Correlated

**Washington State K–12 Learning Standards and Guidelines**

**Science**

Grade: 9 - Adopted: 2014

<b>EALR</b>	<b>WA.HS-LS.</b>	<b>LIFE SCIENCE</b>
<b>BIG IDEA / CORE CONTENT</b>	<b>HS-LS1.</b>	<b>From Molecules to Organisms: Structures and Processes</b>
<b>CORE CONTENT / CONTENT STANDARD</b>		Students who demonstrate understanding can:
<b>CONTENT STANDARD / PERFORMANCE EXPECTATION</b>	<b>HS-LS1-3.</b>	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
<b>EALR</b>	<b>WA.HS-LS.</b>	<b>LIFE SCIENCE</b>
<b>BIG IDEA / CORE CONTENT</b>	<b>HS-LS2.</b>	<b>Ecosystems: Interactions, Energy, and Dynamics</b>
<b>CORE CONTENT / CONTENT STANDARD</b>		Students who demonstrate understanding can:
<b>CONTENT STANDARD / PERFORMANCE EXPECTATION</b>	<b>HS-LS2-2.</b>	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
<b>CONTENT STANDARD / PERFORMANCE EXPECTATION</b>	<b>HS-LS2-3.</b>	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
<b>CONTENT STANDARD / PERFORMANCE EXPECTATION</b>	<b>HS-LS2-4.</b>	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
<b>CONTENT STANDARD / PERFORMANCE EXPECTATION</b>	<b>HS-LS2-6.</b>	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
CONTENT STANDARD / PERFORMANCE 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
CONTENT STANDARD / PERFORMANCE 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
EALR	WA.HS-LS.	LIFE SCIENCE
BIG IDEA / CORE CONTENT	HS-LS4.	Biological Evolution: Unity and Diversity
CORE CONTENT / CONTENT STANDARD		Students who demonstrate understanding can:
CONTENT STANDARD / PERFORMANCE 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
CONTENT STANDARD / PERFORMANCE 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
CONTENT STANDARD / PERFORMANCE 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
CONTENT STANDARD / PERFORMANCE 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
EALR	WA.HS-ESS.	EARTH AND SPACE SCIENCE
BIG IDEA / CORE CONTENT	HS-ESS1.	Earth's Place in the Universe
CORE CONTENT / CONTENT STANDARD		Students who demonstrate understanding can:

CONTENT STANDARD / PERFORMANCE 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
EALR	WA.HS-ESS.	EARTH AND SPACE SCIENCE
BIG IDEA / CORE CONTENT	HS-ESS2.	Earth's Systems
CORE CONTENT / CONTENT STANDARD		Students who demonstrate understanding can:
CONTENT STANDARD / PERFORMANCE 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
CONTENT STANDARD / PERFORMANCE 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
CONTENT STANDARD / PERFORMANCE 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
CONTENT STANDARD / PERFORMANCE 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
CONTENT STANDARD / PERFORMANCE 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
EALR	WA.HS-ESS.	EARTH AND SPACE SCIENCE
BIG IDEA / CORE CONTENT	HS-ESS3.	Earth and Human Activity
CORE CONTENT / CONTENT STANDARD		Students who demonstrate understanding can:
CONTENT STANDARD / PERFORMANCE 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
CONTENT STANDARD / PERFORMANCE 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
CONTENT STANDARD / PERFORMANCE 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
CONTENT STANDARD / PERFORMANCE 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
CONTENT STANDARD / PERFORMANCE 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
CONTENT STANDARD / PERFORMANCE 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
<b>EALR</b>	<b>WA.HS-ETS.</b>	<b>ENGINEERING DESIGN</b>
<b>BIG IDEA / CORE CONTENT</b>	<b>HS-ETS1.</b>	<b>Engineering Design</b>
<b>CORE CONTENT / CONTENT STANDARD</b>		Students who demonstrate understanding can:
CONTENT STANDARD / PERFORMANCE 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

Washington State K–12 Learning Standards and Guidelines  
Social Studies

Grade: 9 - Adopted: 2013

EALR	WA.9-10.3.	GEOGRAPHY - The student uses a spatial perspective to make reasoned decisions by applying the concepts of location, region, and movement and demonstrating knowledge of how geographic features and human cultures impact environments.
BIG IDEA / CORE CONTENT	9-10.3.1.	Understands the physical characteristics, cultural characteristics, and location of places, regions, and spatial patterns on the Earth's surface.
CORE CONTENT / CONTENT STANDARD	9-10.3.1.1.	Identifies major world regions and understands their cultural roots. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
EALR	WA.9-10.3.	GEOGRAPHY - The student uses a spatial perspective to make reasoned decisions by applying the concepts of location, region, and movement and demonstrating knowledge of how geographic features and human cultures impact environments.
BIG IDEA / CORE CONTENT	9-10.3.2.	Understands human interaction with the environment.
CORE CONTENT / CONTENT STANDARD	9-10.3.2.1.	Analyzes and evaluates human interaction with the environment across the world in the past or present. <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
EALR	WA.9-10.4.	HISTORY - The student understands and applies knowledge of historical thinking, chronology, eras, turning points, major ideas, individuals, and themes of local, Washington State, tribal, United States, and world history in order to evaluate how history shapes the present and future.
BIG IDEA / CORE CONTENT	9-10.4.2.	Understands and analyzes causal factors that have shaped major events in history.
CORE CONTENT / CONTENT STANDARD	9-10.4.2.1.	Analyzes how individuals and movements have shaped world history (1450—present). <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12