

**Main Criteria:** Arkansas Curriculum Frameworks

**Secondary Criteria:** Virtual Field Trips

**Subjects:** Science, Social Studies

**Grade:** 9

**Correlation Options:** Show Correlated

**Arkansas Curriculum Frameworks**

**Science**

Grade: 9 - Adopted: 2016

<b>STRAND / TOPIC</b>	<b>AR.A.</b>	<b>Astronomy</b>
<b>CONTENT STANDARD</b>		<b>Formation of the Solar System</b>
<b>PERFORMANCE EXPECTATION</b>	A-ESS1-6.	Apply scientific reasoning and evidence from ancient Earth materials, meteorites, and other planetary surfaces to construct an account of Earth's formation and early history.  <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
<b>STRAND / TOPIC</b>	<b>AR.BI.</b>	<b>Biology – Integrated</b>
<b>CONTENT STANDARD</b>		<b>Cycling of Matter and Energy</b>
<b>PERFORMANCE EXPECTATION</b>	BI-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
<b>PERFORMANCE EXPECTATION</b>	BI-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> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
<b>STRAND / TOPIC</b>	<b>AR.BI.</b>	<b>Biology – Integrated</b>
<b>CONTENT STANDARD</b>		<b>Structure and Function</b>
<b>PERFORMANCE EXPECTATION</b>	BI-LS1-3.	Plan and conduct an investigation to provide evidence that feedback mechanisms maintain homeostasis.  <u>Virtual Field Trips</u> Galapagos Islands - Espagnol National Parks West - Nevada, California
<b>STRAND / TOPIC</b>	<b>AR.BI.</b>	<b>Biology – Integrated</b>
<b>CONTENT STANDARD</b>		<b>Biodiversity and Population Dynamics</b>
<b>PERFORMANCE EXPECTATION</b>	BI-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

		The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
PERFORMANCE EXPECTATION	BI-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
PERFORMANCE EXPECTATION	BI-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
PERFORMANCE EXPECTATION	BI-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
PERFORMANCE EXPECTATION	BI-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
PERFORMANCE EXPECTATION	BI3-ETS1-3.	Evaluate a solution to a complex real-world problem based on prioritized criteria and trade-offs that account for a range of constraints, including cost, safety, reliability, and aesthetics, as well as possible social, cultural, and environmental impacts.  <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
PERFORMANCE EXPECTATION	BI3-ETS1-4.	Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem.  <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
STRAND / TOPIC	AR.BI.	Biology – Integrated

CONTENT STANDARD		Evolution by Natural Selection
PERFORMANCE EXPECTATION	BI-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
PERFORMANCE EXPECTATION	BI-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
PERFORMANCE EXPECTATION	BI-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
STRAND / TOPIC	AR.BI.	Biology – Integrated
CONTENT STANDARD		Life and Earth's Systems
PERFORMANCE EXPECTATION	BI-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> National Parks of the Western Region - Part 1
PERFORMANCE EXPECTATION	BI-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
PERFORMANCE EXPECTATION	BI-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 of the Western Region - Part 1
PERFORMANCE EXPECTATION	BI6-ETS1-2.	Design a solution to a complex real-world problem by breaking it down into smaller, more manageable problems that can be solved through engineering.  <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
PERFORMANCE EXPECTATION	BI6-ETS1-3.	Evaluate a solution to a complex real-world problem based on prioritized criteria and trade-offs that account for a range of constraints, including cost, safety, reliability, and aesthetics, as well as possible social, cultural, and environmental impacts.

		<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
<b>STRAND / TOPIC</b>	<b>AR.BI.</b>	<b>Biology – Integrated</b>
<b>CONTENT STANDARD</b>		<b>Human Impacts on Earth’s Systems</b>
<b>PERFORMANCE EXPECTATION</b>	<b>BI-ESS3-1.</b>	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 National Parks West - Nevada, California National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 2 - Older Grades
<b>PERFORMANCE EXPECTATION</b>	<b>BI-ESS3-2.</b>	Evaluate competing design solutions for developing, managing, and utilizing energy and mineral resources based on cost-benefit ratios.  <u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 2 - Older Grades
<b>PERFORMANCE EXPECTATION</b>	<b>BI-ESS3-3.</b>	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
<b>PERFORMANCE EXPECTATION</b>	<b>BI-ESS3-4.</b>	Evaluate or refine a technological solution that reduces impacts of human activities on natural systems.  <u>Virtual Field Trips</u> Galapagos Islands - Espagnol
<b>PERFORMANCE EXPECTATION</b>	<b>BI-ESS3-6.</b>	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 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>PERFORMANCE EXPECTATION</b>	<b>BI7-ETS1-1.</b>	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> 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
PERFORMANCE EXPECTATION	BI7-ETS1-4.	Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem.  <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
STRAND / TOPIC	AR.CI.	Chemistry – Integrated
CONTENT STANDARD		Matter and Chemical Reactions
PERFORMANCE EXPECTATION	CI-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
STRAND / TOPIC	AR.CI.	Chemistry – Integrated
CONTENT STANDARD		Nuclear Reactions
PERFORMANCE EXPECTATION	CI-ESS1-6.	Apply scientific reasoning and evidence from ancient Earth materials, meteorites, and other planetary surfaces to construct an account of Earth's formation and early history.  <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
STRAND / TOPIC	AR.CI.	Chemistry – Integrated
CONTENT STANDARD		Energy Flow
PERFORMANCE EXPECTATION	CI-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
STRAND / TOPIC	AR.ES.	Earth Science
CONTENT STANDARD		History of Earth
PERFORMANCE EXPECTATION	ES-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> 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
PERFORMANCE EXPECTATION	ES-ESS1-6.	Apply scientific reasoning and evidence from ancient Earth materials, meteorites, and other planetary surfaces to construct an account of Earth's formation and early history.

		<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
PERFORMANCE EXPECTATION	ES-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> 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
PERFORMANCE EXPECTATION	ES1-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> National Parks of the Western Region - Part 1
<b>STRAND / TOPIC</b>	<b>AR.ES.</b>	<b>Earth Science</b>
<b>CONTENT STANDARD</b>		<b>Earth's Systems</b>
PERFORMANCE EXPECTATION	ES-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 systems.  <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
PERFORMANCE EXPECTATION	ES-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
PERFORMANCE EXPECTATION	ES-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
PERFORMANCE EXPECTATION	ES2-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> Galapagos Islands - Espagnol
<b>STRAND / TOPIC</b>	<b>AR.ES.</b>	<b>Earth Science</b>
<b>CONTENT STANDARD</b>		<b>Human Sustainability</b>
PERFORMANCE EXPECTATION	ES-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 National Parks West - Nevada, California National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 2 - Older Grades

PERFORMANCE EXPECTATION	ES-ESS3-2.	<p>Evaluate competing design solutions for developing, managing, and utilizing energy and mineral resources based on cost-benefit ratios.</p> <p><u>Virtual Field Trips</u>  Galapagos Islands - Espagnol  National Parks - West - Alaska &amp; Hawaii  National Parks West - Nevada, California  National Parks of the Western Region - Part 1  The Amazon Rainforest - Part 2 - Older Grades</p>
PERFORMANCE EXPECTATION	ES-ESS3-3.	<p>Create a computational simulation to illustrate the relationships among the management of natural resources, the sustainability of human populations, and biodiversity.</p> <p><u>Virtual Field Trips</u>  Galapagos Islands - Espagnol  National Parks - West - Alaska &amp; 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</p>
PERFORMANCE EXPECTATION	ES-ESS3-4.	<p>Evaluate or refine a technological solution that reduces impacts of human activities on natural systems.</p> <p><u>Virtual Field Trips</u>  Galapagos Islands - Espagnol  National Parks West - Nevada, California  The Amazon Rainforest - Part 2 - Older Grades</p>
PERFORMANCE EXPECTATION	ES-ESS3-6.	<p>Use a computational representation to illustrate the relationships among Earth systems and how those relationships are being modified due to human activity.</p> <p><u>Virtual Field Trips</u>  Galapagos Islands - Espagnol  La Selva Amazonica - Pte 1 (En Espagnol)  National Parks - West - Alaska &amp; 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>
PERFORMANCE EXPECTATION	ES3-ETS1-1.	<p>Analyze a major global challenge to specify qualitative and quantitative criteria and constraints for solutions that account for societal needs and wants.</p> <p><u>Virtual Field Trips</u>  Galapagos Islands - Espagnol</p>
PERFORMANCE EXPECTATION	ES3-ETS1-2.	<p>Design a solution to a complex real-world problem by breaking it down into smaller, more manageable problems that can be solved through engineering.</p> <p><u>Virtual Field Trips</u>  The Amazon Rainforest - Part 2 - Older Grades</p>
PERFORMANCE EXPECTATION	ES3-ETS1-4.	<p>Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem.</p> <p><u>Virtual Field Trips</u>  The Amazon Rainforest - Part 2 - Older Grades</p>
STRAND / TOPIC	AR.ES.	Earth Science
CONTENT STANDARD		Weather and Climate

PERFORMANCE EXPECTATION	ES-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
PERFORMANCE EXPECTATION	ES4-ETS1-3.	Evaluate a solution to a complex real-world problem based on prioritized criteria and tradeoffs that account for a range of constraints, including cost, safety, reliability, and aesthetics, as well as possible social, cultural, and environmental impacts.  <u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks of the Western Region - Part 1
STRAND / TOPIC	AR.EVS.	Environmental Science
CONTENT STANDARD		Systems
PERFORMANCE EXPECTATION	EVS-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 systems.  <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
PERFORMANCE EXPECTATION	EVS-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
PERFORMANCE EXPECTATION	EVS-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
PERFORMANCE EXPECTATION	EVS-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
PERFORMANCE EXPECTATION	EVS1-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> 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
STRAND / TOPIC	AR.EVS.	Environmental Science
CONTENT STANDARD		Energy
PERFORMANCE EXPECTATION	EVS-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
<b>STRAND / TOPIC</b>	<b>AR.EVS.</b>	<b>Environmental Science</b>
<b>CONTENT STANDARD</b>		<b>Populations</b>
<b>PERFORMANCE EXPECTATION</b>	<b>EVS-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
<b>PERFORMANCE EXPECTATION</b>	<b>EVS-LS2-6.</b>	Evaluate 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
<b>PERFORMANCE EXPECTATION</b>	<b>EVS-LS2-8.</b>	Evaluate 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
<b>PERFORMANCE EXPECTATION</b>	<b>EVS3-ETS1-3.</b>	Evaluate a solution to a complex real-world problem based on prioritized criteria and tradeoffs that account for a range of constraints, including cost, safety, reliability, and aesthetics as well as possible social, cultural, and environmental impacts.  <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
<b>STRAND / TOPIC</b>	<b>AR.EVS.</b>	<b>Environmental Science</b>
<b>CONTENT STANDARD</b>		<b>Sustainability</b>
<b>PERFORMANCE EXPECTATION</b>	<b>EVS-ESS3-1.</b>	Construct an explanation based on evidence for how the availability of natural resources, occurrences of natural hazards, and changes in climate have influenced human activity.  <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
<b>PERFORMANCE EXPECTATION</b>	<b>EVS-ESS3-2.</b>	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
<b>PERFORMANCE EXPECTATION</b>	<b>EVS-ESS3-3.</b>	Create a computational simulation to illustrate the relationships among the management of natural resources, the sustainability of

		<p>human populations, and biodiversity.</p> <p><u>Virtual Field Trips</u>  Galapagos Islands - Espagnol  National Parks - West - Alaska &amp; 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</p>
PERFORMANCE EXPECTATION	EVS-ESS3-4.	<p>Evaluate or refine a technological solution that reduces impacts of human activities on natural systems.</p> <p><u>Virtual Field Trips</u>  Galapagos Islands - Espagnol  National Parks West - Nevada, California  The Amazon Rainforest - Part 2 - Older Grades</p>
PERFORMANCE EXPECTATION	EVS-ESS3-6.	<p>Use a computational representation to illustrate the relationships among Earth systems and how those relationships are being modified due to human activity.</p> <p><u>Virtual Field Trips</u>  Galapagos Islands - Espagnol  La Selva Amazonica - Pte 1 (En Espagnol)  National Parks - West - Alaska &amp; 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>
PERFORMANCE EXPECTATION	EVS-LS2-7.	<p>Design, evaluate, and refine a solution for reducing the impacts of human activities on the environment and biodiversity</p> <p><u>Virtual Field Trips</u>  Galapagos Islands - Espagnol  National Parks - West - Alaska &amp; 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</p>
PERFORMANCE EXPECTATION	EVS-LS4-6.	<p>Create or revise a simulation to test a solution to mitigate adverse impacts of human activity on biodiversity.</p> <p><u>Virtual Field Trips</u>  Galapagos Islands - Espagnol  National Parks - West - Alaska &amp; 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</p>
PERFORMANCE EXPECTATION	EVS4-ETS1-3.	<p>Evaluate a solution to a complex real-world problem based on prioritized criteria and tradeoffs that account for a range of constraints, including cost, safety, reliability, and aesthetics, as well as possible social, cultural, and environmental impacts.</p> <p><u>Virtual Field Trips</u>  Galapagos Islands - Espagnol  National Parks - West - Alaska &amp; 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</p>
<b>STRAND / TOPIC</b>	<b>AR.PSI.</b>	<b>Physical Science – Integrated</b>

<b>CONTENT STANDARD</b>		<b>Matter in Organisms</b>
<b>PERFORMANCE EXPECTATION</b>	PSI-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> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
<b>STRAND / TOPIC</b>	AR.PSI.	<b>Physical Science – Integrated</b>
<b>CONTENT STANDARD</b>		<b>Forces and Motion</b>
<b>PERFORMANCE EXPECTATION</b>	PSI-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 - Wyoming, Utah
<b>STRAND / TOPIC</b>	AR.PSI.	<b>Physical Science – Integrated</b>
<b>CONTENT STANDARD</b>		<b>Energy</b>
<b>PERFORMANCE EXPECTATION</b>	PSI4-ETS1-3.	Evaluate a solution to a complex real-world problem based on prioritized criteria and tradeoffs that account for a range of constraints, including cost, safety, reliability, and aesthetics, as well as possible social, cultural, and environmental impacts.  <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
<b>STRAND / TOPIC</b>	AR.PSI.	<b>Physical Science – Integrated</b>
<b>CONTENT STANDARD</b>		<b>Interactions of Humans and the Environment</b>
<b>PERFORMANCE EXPECTATION</b>	PSI-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
<b>PERFORMANCE EXPECTATION</b>	PSI-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
<b>PERFORMANCE EXPECTATION</b>	PSI-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
<b>PERFORMANCE EXPECTATION</b>	PSI-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

		National Parks West - Nevada, California National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 2 - Older Grades
PERFORMANCE EXPECTATION	PSI-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 of the Western Region - Part 1 The Amazon Rainforest - Part 2 - Older Grades
PERFORMANCE EXPECTATION	PSI6-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> 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
PERFORMANCE EXPECTATION	PSI6-ETS1-3.	Evaluate a solution to a complex real-world problem based on prioritized criteria and tradeoffs that account for a range of constraints, including cost, safety, reliability, and aesthetics, as well as possible social, cultural, and environmental impacts.  <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
PERFORMANCE EXPECTATION	PSI6-ETS1-4.	Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem.  <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

## Arkansas Curriculum Frameworks

### Social Studies

Grade: 9 - Adopted: 2014

STRAND / TOPIC	AR.SS.C.	Civics
CONTENT STANDARD	CPI.C.	Civic and Political Institutions
PERFORMANCE EXPECTATION	CPI.2.C.	Students will analyze the roles of political institutions in governing and protecting citizens.
BENCHMARK / PROFICIENCY	CPI.2.C.3.	Construct arguments about the strengths, weaknesses, and reasons for checks and balances and separation of powers using multiple primary and secondary sources.  <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12

<b>STRAND / TOPIC</b>	<b>AR.SS.S.</b>	<b>Sociology</b>
<b>CONTENT STANDARD</b>	<b>SS.S.</b>	<b>Social Structure</b>
<b>PERFORMANCE EXPECTATION</b>	<b>SS.3.S.</b>	<b>Students will evaluate the cultural interaction between individuals and society.</b>
<b>BENCHMARK / PROFICIENCY</b>	<b>SS.3.S.1.</b>	Analyze ways culture influences individuals using a variety of sources.  <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>STRAND / TOPIC</b>	<b>AR.SS.S.</b>	<b>Sociology</b>
<b>CONTENT STANDARD</b>	<b>SS.S.</b>	<b>Social Structure</b>
<b>PERFORMANCE EXPECTATION</b>	<b>SS.4.S.</b>	<b>Students will analyze the evolution of social structures and culture.</b>
<b>BENCHMARK / PROFICIENCY</b>	<b>SS.4.S.1.</b>	Discuss key components of culture.  <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>STRAND / TOPIC</b>	<b>AR.SS.USG.</b>	<b>United States Government</b>
<b>CONTENT STANDARD</b>	<b>SFG.USG.</b>	<b>Structure and Functions of the Government</b>
<b>PERFORMANCE EXPECTATION</b>	<b>SFG.4.USG.</b>	<b>Students will analyze the structure, organization, and functions of the federal government.</b>
<b>BENCHMARK / PROFICIENCY</b>	<b>SFG.4.USG.2.</b>	Analyze the reasons for and effectiveness of a system of checks and balances within the federal government.  <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12
<b>STRAND / TOPIC</b>	<b>AR.SS.USG.</b>	<b>United States Government</b>
<b>CONTENT STANDARD</b>	<b>IACP.USG.</b>	<b>Interpretation and Application of Constitutional Principles</b>
<b>PERFORMANCE EXPECTATION</b>	<b>IACP.8.USG.</b>	<b>Students will analyze the application of U.S. constitutional principles to address local and national issues.</b>
<b>BENCHMARK / PROFICIENCY</b>	<b>IACP.8.USG.2.</b>	Apply constitutional principles to a variety of current issues (e.g., popular sovereignty, separation of powers, checks and balances, federalism).  <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12
<b>STRAND / TOPIC</b>	<b>AR.SS.G.</b>	<b>World Geography</b>
<b>CONTENT STANDARD</b>	<b>WSP.G.</b>	<b>World in Spatial Terms</b>
<b>PERFORMANCE EXPECTATION</b>	<b>WSP.1.G.</b>	<b>Students will interpret spatial information using geographic representations and geospatial technologies.</b>
<b>BENCHMARK / PROFICIENCY</b>	<b>WSP.1.G.1.</b>	Investigate political, cultural, and economic relationships between places and regions using geographic representations and geospatial technologies.  <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
<b>BENCHMARK / PROFICIENCY</b>	<b>WSP.1.G.2.</b>	Solve geographic problems created by physical characteristics of places and regions using multiple geographic representations and geospatial technologies.  <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
<b>STRAND / TOPIC</b>	<b>AR.SS.G.</b>	<b>World Geography</b>
<b>CONTENT STANDARD</b>	<b>WSP.G.</b>	<b>World in Spatial Terms</b>
<b>PERFORMANCE EXPECTATION</b>	<b>WSP.2.G.</b>	Students will analyze the spatial organization of people, places, and environments on the Earth's surface.
<b>BENCHMARK / PROFICIENCY</b>	<b>WSP.2.G.1.</b>	Analyze the spatial organization of people, places, and environments using location, distance, direction, scale, movement, region, and density.  <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
<b>BENCHMARK / PROFICIENCY</b>	<b>WSP.2.G.2.</b>	Research the impact of interdependence and accessibility among people, places, and environments.  <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>BENCHMARK / PROFICIENCY</b>	<b>WSP.2.G.3.</b>	Use spatial data to answer student generated questions about the relationships between spatial organization of people and places, people and environment, and places and environments.  <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
<b>STRAND / TOPIC</b>	<b>AR.SS.G.</b>	<b>World Geography</b>
<b>CONTENT STANDARD</b>	<b>PR.G.</b>	<b>Places and Regions</b>
<b>PERFORMANCE EXPECTATION</b>	<b>PR.3.G.</b>	Students will analyze regions created by physical characteristics and human influences.
<b>BENCHMARK / PROFICIENCY</b>	<b>PR.3.G.1.</b>	Analyze the impact of physical characteristics and human influences on the creation of various regions by examining spatial patterns, geographic representations, and available geospatial technologies.  <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

BENCHMARK / PROFICIENCY	PR.3.G.2.	Compare the changes over time on the boundaries and characteristics of regions caused by various factors using geographic representations and data (e.g., climate, technology, migration, conflict, government).  <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades
STRAND / TOPIC	AR.SS.G.	World Geography
CONTENT STANDARD	HS.G.	Human Systems
PERFORMANCE EXPECTATION	HS.5.G.	Students will evaluate the characteristics, distribution, and complexity of Earth's cultural regions.
BENCHMARK / PROFICIENCY	HS.5.G.1.	Analyze a variety of factors that create cultural regions and affect spatial patterns and movements of various cultures (e.g., beliefs, languages, ethnicity, gender).  <u>Virtual Field Trips</u> Jerusalem - Then and Now (Older Grades) The Amazon Rainforest - Part 2 - Older Grades
STRAND / TOPIC	AR.SS.G.	World Geography
CONTENT STANDARD	HS.G.	Human Systems
PERFORMANCE EXPECTATION	HS.6.G.	Students will analyze the patterns and networks of economic interdependence on Earth's surface.
BENCHMARK / PROFICIENCY	HS.6.G.4.	Examine the diffusion of a phenomenon and its impact on various regions of contact (e.g., spread of infectious disease, invasive plants, invasive animals).  <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
STRAND / TOPIC	AR.SS.G.	World Geography
CONTENT STANDARD	ES.G.	Environment and Society
PERFORMANCE EXPECTATION	ES.7.G.	Students will analyze the interactions between humans and their environment.
BENCHMARK / PROFICIENCY	ES.7.G.1.	Analyze effects of changes made by humans on the physical environment (e.g., industrialization, agricultural, rural land use, urban land use, mining, forestry).  <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