Main Criteria: Alabama Courses of Study Secondary Criteria: Virtual Field Trips Subjects: Science, Social Studies

Grade: 4

Correlation Options: Show Correlated

## **Alabama Courses of Study**

Science

Grade: 4 - Adopted: 2015

STRAND / DOMAIN	AL.4.PS.	PHYSICAL SCIENCE
OBJECTIVE / CATEGORY		Energy
STANDARD	4.PS.5.	Compile information to describe how the use of energy derived from natural renewable and nonrenewable resources affects the environment (e.g., constructing dams to harness energy from water, a renewable resource, while causing a loss of animal habitats; burning of fossil fuels, a nonrenewable resource, while causing an increase in air pollution; installing solar panels to harness energy from the sun, a renewable resource, while requiring specialized materials that necessitate mining).  Virtual Field Trips Grade 3 - Geography of Our Communities The Amazon Rainforest - Part 2 - Younger Grades
STRAND / DOMAIN	AL.4.PS.	PHYSICAL SCIENCE
OBJECTIVE / CATEGORY		Waves and Their Applications in Technologies for Information Transfer
STANDARD	4.PS.7.	Develop and use models to show multiple solutions in which patterns are used to transfer information (e.g., using a grid of 1s and 0s representing black and white to send information about a picture, using drums to send coded information through sound waves, using Morse code to send a message).  Virtual Field Trips Grade 3 - Geography of Our Communities
	1	
STRAND / DOMAIN	AL.4.LS.	LIFE SCIENCE
STRAND / DOMAIN OBJECTIVE / CATEGORY	AL.4.LS.	LIFE SCIENCE From Molecules to Organisms: Structures and Processes
	4.LS.9.	
OBJECTIVE / CATEGORY		Examine evidence to support an argument that the internal and external structures of plants (e.g., thorns, leaves, stems, roots, colored petals, xylem, phloem) and animals (e.g., heart, stomach, lung, brain, skin) function to support survival, growth, behavior, and reproduction.  Virtual Field Trips African Safari Galapagos Islands Galapagos Islands - Espagnol How Coral Reefs Are Formed The Amazon Rainforest

OBJECTIVE / CATEGORY		Earth's Systems
STANDARD	4.ESS.14.	Explore information to support the claim that landforms are the result of a combination of constructive forces, including crustal deformation, volcanic eruptions, and sediment deposition as well as a result of destructive forces, including erosion and weathering.  Virtual Field Trips Galapagos Islands Galapagos Islands - Espagnol Grade 3 - Geography of Our Communities National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1
STANDARD	4.ESS.15.	Analyze and interpret data (e.g., angle of slope in downhill movement of water, volume of water flow, cycles of freezing and thawing of water, cycles of heating and cooling of water, speed of wind, relative rate of soil deposition, amount of vegetation) to determine effects of weathering and rate of erosion by water, ice, wind, and vegetation using one single form of weathering or erosion at a time.  Virtual Field Trips
		Grade 3 - Geography of Our Communities National Parks - West - Alaska & Hawaii National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1
STANDARD	4.ESS.17.	Formulate and evaluate solutions to limit the effects of natural Earth processes on humans (e.g., designing earthquake, tornado, or hurricane-resistant buildings; improving monitoring of volcanic activity).
		Virtual Field Trips Grade 3 - Geography of Our Communities

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