Fulton County Schools Curriculum Map

Prioritized Standards are Italicized

6 th Grade Earth Science				
Semester 1				
Density	Geology	Hydrology		
2 weeks	11 weeks	5 weeks		
	S6E5. Obtain, evaluate, and communicate information to show how Earth's surface is	S6E3. Obtain, evaluate, and communicate		
	formed.	information to recognize the significant role of		
	a. Ask questions to compare and contrast the Earth's crust, mantle, inner and outer core,	water in Earth processes.		
	including temperature, density, thickness, and composition.	a. Ask questions to determine where water is		
	b. Plan and carry out an investigation of the characteristics of minerals and how minerals contribute to rock composition.	located on Earth's surface (oceans, rivers, lakes, swamps, groundwater, aquifers, and ice) and communicate the relative proportion of water at each location. b. Plan and carry out an investigation to illustrate the role of the sun's energy in atmospheric conditions that lead to the cycling of water. (Clarification statement: The water cycle should include evaporation, condensation, precipitation, transpiration, infiltration, groundwater, and		
	c. Construct an explanation of how to classify rocks by their formation and how rocks change through geologic processes in the rock cycle.			
	d. Ask questions to identify types of weathering, agents of erosion and transportation, and environments of deposition. (<i>Clarification statement:</i> Environments of deposition include deltas, barrier islands, beaches, marshes, and rivers.) e. Develop a model to demonstrate how natural processes (weathering, erosion, and deposition) and human activity change rocks and the surface of the Earth.			
	f. Construct an explanation of how the movement of lithospheric plates, called plate tectonics, can cause major geologic events such as earthquakes and volcanic eruptions. (Clarification statement: Include convergent, divergent, and transform boundaries.) g. Construct an argument using maps and data collected to support a claim of how fossils show evidence of the changing surface and climate of the Earth. h. Plan and carry out an investigation to provide evidence that soil is composed of layers of weathered rocks and decomposed organic material.	runoff.) c. Ask questions to identify and communicate, using graphs and maps, the composition, location, and subsurface topography of the world's oceans. d. Analyze and interpret data to create graphic		
	weathered rocks and decomposed organic material.	representations of the causes and effects of waves, currents, and tides in Earth's systems.		

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Semester 2 – 6 th Grade Earth Science				
Weather - 6 weeks	Astronomy - 7 weeks	Natural Resources - 3 wks		
S6E4. Obtain, evaluate, and communicate information	S6E1. Obtain, evaluate, and communicate information about	S6E6. Obtain, evaluate, and		
about how the sun, land, and water affect climate and	current scientific views of the universe and how those views	communicate information about		
weather.	evolved.	the uses and conservation of		
a. Analyze and interpret data to compare and contrast the	a. Ask questions to determine changes in models of Earth's	various natural resources and		
composition of Earth's atmospheric layers (including the	position in the solar system, and origins of the universe as	how they impact the Earth.		
ozone layer) and greenhouse gases. (Clarification	evidence that scientific theories change with the addition of new	a. Ask questions to determine the		
statement: Earth's atmospheric layers include the	information. (Clarification statement: Students should consider	differences between		
troposphere, stratosphere, mesosphere, and thermosphere.)	Earth's position in geocentric and heliocentric models and the Big	renewable/sustainable energy		
b. Plan and carry out an investigation to demonstrate how	Bang as it describes the formation of the universe.)	resources (examples: hydro, solar,		
energy from the sun transfers heat to air, land and water at	b. Develop a model to represent the position of the solar system in	wind, geothermal, tidal, biomass)		
different rates. (Clarification statement: Heat transfer	the Milky Way galaxy and in the known universe.	and nonrenewable energy		
should include the processes of conduction, convection, and	c. Analyze and interpret data to compare and contrast the planets	resources (examples: nuclear:		
radiation.)	in our solar system in terms of:	uranium, fossil fuels: oil, coal, and		
c. Develop a model demonstrating the interaction between	• size relative to Earth,	natural gas), and how they are		
unequal heating and the rotation of the Earth that causes	 surface and atmospheric features, 	used in our everyday lives.		
local and global wind systems.	 relative distance from the sun, and 	b. Design and evaluate solutions		
d. Construct an explanation of the relationship between air	ability to support life.	for sustaining the quality and		
pressure, weather fronts, and air masses and	d. Develop and use a model to explain the interaction of gravity	supply of natural resources such as		
meteorological events such as tornados and thunderstorms.	and inertia that governs the motion of objects in the solar system.	water, soil, and air.		
e. Analyze and interpret weather data to explain the effects	e. Ask questions to compare and contrast the characteristics,	c. Construct an argument		
of moisture evaporating from the ocean on weather	composition, and location of comets, asteroids, and meteoroids.	evaluating contributions to the rise		
patterns and weather events such as hurricanes.		in global temperatures over the		
	S6E2. Obtain, evaluate, and communicate information about the	past century. (Clarification		
S6E2. Obtain, evaluate, and communicate information	effects of the relative positions of the sun, Earth, and moon.	statement: Tables, graphs, and		
about the effects of the relative positions of the sun, Earth,	a. Develop and use a model to demonstrate the phases of the	maps of global and regional		
and moon.	moon by showing the relative positions of the sun, Earth, and	temperatures, and atmospheric		
c. Analyze and interpret data to relate the tilt of the Earth to	moon.	levels of greenhouse gases such as		
the distribution of sunlight throughout the year and its	b. Construct an explanation of the cause of solar and lunar	carbon dioxide and methane,		
effect on seasons.	eclipses.	should be used as sources of		
		evidence.)		