TCSS 6th Grade Science Geology Content Map

Unit Essential Question: How is the Earth constantly changing?

Standard(s): S6E5 a - j; S6E3 c

Concept 1: Layers of the Earth		Concept 2: Earth's Changing Features		Concept 3: Subsurface Topography	
Lesson Essential Questions: 1. How are layers of the Earth different from one another? (temperature, density, composition) [S6E5a.]		Lesson Essential Questions: 2. How does the constant movement of lithospheric plates cause major geological events on the earth's surface? (Earthquakes, volcanoes, mountains) [S6E5e.]		Lesson Essential Questions: 3. How is the ocean floor like the surface of the Earth? (include how plate tectonics produce these features) [S6E3c]	
Essential* Core Mantle Temperature Supplemental** dense magma geologic lithosphere radioactive decay convection curre Lithospheric play uranium (inner congeothermal energy Aesthenosphere oceanic crust	Crust Density Composition molten metallic hot spots y ents tes core) gy	Essential* Geological Lithospheric Plates Supplemental** Fold Pangaea Transform Divergent Earthquakes Convergent Reverse fault Plate tectonics Strike-slip fault Mountain building Seafloor spreading Convection currents	<u> </u>	Essential* Subsurface Supplemental** Seamounts Mountains Abyssal plain Continental slope Subduction zone Continental plain Hydrothermal vents	Topography Trench Plains Valleys Geyers Mid-ocean ridge Continental shelf
continental crust		Hydrothermal vent			

^{*}Essential Vocabulary are listed directly in the state standards. Essential Vocabulary should be included in the Word Wall and are assessable

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