

## Scope and Sequence

Subject/Title of Unit	Grade	6 Weeks	Estimated Time Frame (# of days)
Science Earth Systems	Eighth	3 <sup>rd</sup> Six Weeks	4 Weeks
<b>TEKS/Student Expectations</b>		<b>Examples/Specifications:</b>	
(12)  (A) analyze and predict the sequence of events in the lunar and rock cycles;  (C) predict the results of modifying the Earth's nitrogen, water, and carbon cycles.		12 A- students need to understand the rock cycle and the lunar cycle and how these effect the earth as a whole  12 B- illustrate the nitrogen, water, and carbon cycles- predict how these could be changed and the effects that could occur	
<b>Language of Instruction:</b>		<b>Instructional Resources/Textbook Correlations:</b>	
Geologist Rock Geology Crust Basalt Granite Mantle Lithosphere Asthenosphere Density Continental drift Mid-ocean ridge Sea-floor spreading Deep-ocean trench Plate Plate tectonics	Fault Divergent boundary Rift valley Convergent boundary Earthquakes Strike-slip fault Reverse fault Volcano Mineral Inorganic Crystal Mohs hardness scale Luster Cleavage Solution	Gemstone Ore Smelting Igneous rock Sedimentary rock Metamorphic rock Extrusive rock Intrusive rock Porphyritic rock Sediment Compaction Cementation Coral reef Atoll Foliated Rock cycle	Prentice Hall Science Explorer Textbook and Guided Reading Workbook Chapter 9,10, and 11
		<b>Weblinks/Other Resources:</b>	
<b>Evaluation/External Assessment/Local Assessment:</b>		<b>Best Instruction Timeline:</b>	

Teacher Test Earthquakes and Volcanoes activities Hardness Lab Illustrations of Rock Cycles	5 days- Plate Tectonics 2 days- Earthquakes and Volcanoes 5 days- Minerals 2 days- Hardness Lab 5 days- Rocks 1 day- Illustration of Rock Cycles
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