



## Sixth Grade Curriculum Pacing Guide

### Crosscutting Concepts: Cause and Effect; Matter and Energy; Patterns; Structure and Function Earth's Changing Landscape

7 week Instructional Segment

Anchoring Phenomenon	Standard	Instructional Segment	Disciplinary Core Ideas	Science and Engineering Practices	Instructional Notes
Georgia's Landscape Ellison's Cave: <a href="#">GPB: Georgia Rocks! The Geology of Georgia</a>  <ul style="list-style-type: none"> <li>● Providence Canyon</li> <li>● Pigeon Mountain</li> <li>● Golden Isles</li> <li>● Panola Mountain</li> <li>● Indian Springs</li> <li>● Fossils of Georgia</li> <li>● Regions of Georgia</li> </ul>	S6E5a-h	<a href="#">Inside and Out</a>	Frameworks of K-12 Science Education: <i>By the end of grade 8</i> <b>ESS1.C: The History of Planet Earth</b> <ul style="list-style-type: none"> <li>● The geological time scale interpreted from rock strata organizes Earth's history.</li> </ul> <b>ESS2.A:Earth Materials and Systems</b> <ul style="list-style-type: none"> <li>● Earth's ongoing physical and chemical changes result from energy flow and matter cycling.</li> <li>● The energy originates at the sun and earth's interior.</li> <li>● Ranging in microscopic to global, parts of Earth's systems interact in scales from split seconds to billions of years.</li> </ul> <b>ESS2.B:Plate Tectonics and Large Scale System Interactions</b> <ul style="list-style-type: none"> <li>● Plate tectonics is the unifying theory that explains past and current movements of Earth's surface and provides a framework for understanding its geological history.</li> </ul>	<ul style="list-style-type: none"> <li>● Planning and carrying out investigations</li> <li>● Constructing explanations and designing solutions</li> <li>● Analyzing and interpreting data</li> </ul>	Background (includes safety alerts)  By the end of this unit, students are using the following language in their speaking and writing during EXPLAIN or ELABORATE. <ul style="list-style-type: none"> <li>● geologic time scale</li> <li>● rock strata</li> <li>● plate tectonics</li> <li>● mineral formation</li> <li>● rock cycle</li> <li>● thermal energy transfer</li> <li>● land features</li> </ul>

This instructional segment will connect to Water in Earth's Processes.