### Crosscutting Concepts:
- Cause and Effect
- Matter and Energy
- Patterns
- Structure and Function

### Earth’s Changing Landscape

#### 7 week Instructional Segment

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<td>Georgia’s Landscape</td>
<td>S6E5a-h</td>
<td>Inside and Out</td>
<td>Frameworks of K-12 Science Education: By the end of grade 8 ESS1.C: The History of Planet Earth ● The geological time scale interpreted from rock strata organizes Earth’s history. ESS2.A: Earth Materials and Systems ● Earth’s ongoing physical and chemical changes result from energy flow and matter cycling. ● The energy originates at the sun and earth’s interior. ● Ranging in microscopic to global, parts of Earth’s systems interact in scales from split seconds to billions of years. ESS2.B: Plate Tectonics and Large Scale System Interactions ● 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.</td>
<td>● Planning and carrying out investigations ● Constructing explanations and designing solutions ● Analyzing and interpreting data</td>
<td>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. ● geologic time scale ● rock strata ● plate tectonics ● mineral formation ● rock cycle ● thermal energy transfer ● land features</td>
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- Providence Canyon
- Pigeon Mountain
- Golden Isles
- Panola Mountain
- Indian Springs
- Fossils of Georgia
- Regions of Georgia

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