

## Earth and Space Science (Erosion and Deposition)

Grade 8 Science      Grade 8 Science

Start Date: December 12, 2013

End Date : December 20, 2013

<p>Unit Overview</p> <p>This topic focuses on the physical features of Earth and how they formed. This includes the interior of Earth, the rock record, plate tectonics and landforms.</p>	<p>Content Elaborations</p> <p>A combination of constructive and destructive geologic processes formed Earth's surface</p> <p>Factors that affect patterns and features associated with streams and floodplains (discharge rates, gradients, velocity, erosion, deposition), glaciers</p>	<p>Unit Resources</p> <p>Textbook: Chapter 12</p>
Unit Vocabulary	Enduring Understandings (Big Ideas)	Connections

### Standards

#### OH\_Academic\_Content\_Standards - Science (2011) - Grade 8

Strand ESS Earth and Space Science

Topic ESS.1 This topic focuses on the physical features of Earth and how they formed. This includes the interior of Earth, the rock record, plate tectonics and landforms.

Content Statement ESS.1.3 A combination of constructive and destructive geologic processes formed Earth's surface.

ESS.1.3.a Earth's surface is formed from a variety of different geologic processes, including but not limited to plate tectonics.

Student Assessment	Unit Reflection
Chapter Test	

### Constructive and Destructive Geologic Processes

Content	Skills	Assessment
<p>A. Constructive and Destructive Geologic Processes on Earth</p> <p>B.</p>	<p>A. Constructive and Destructive Geologic Processes on Earth</p> <ol style="list-style-type: none"> <li>1. Distinguish between major geologic processes (tectonic activity, deposition, erosion)</li> <li>2. Demonstrate how topographic, physical and ariel maps, cross-sections, field trips, virtual technology can be used to access photographs and graphics related to landforms and features</li> <li>3. Identify factors that affect the patterns and features associated with erosion and deposition</li> <li>4. Explain how energy from waves affects a shoreline</li> <li>5. Explain how wave deposits form beaches</li> <li>6. Explain why some areas are more affected by wind erosion than other areas are</li> </ol>	

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|  | <ol style="list-style-type: none"><li>7. Identify three landforms that result from wind erosion and deposition</li><li>8. Describe two ways in which glaciers move</li><li>9. Identify landscape features formed by glaciers</li><li>10. Explain the role of gravity as an agent of erosion and deposition</li></ol> <p>B.</p> |  |
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