



6th Grade Curriculum Pacing Guide
 Crosscutting Concepts: Cause and Effect; Patterns
Weathering and Erosion

7 Week Instructional Segment

Anchoring Phenomenon	Standard	Instructional Segment	Disciplinary Core Ideas	Science and Engineering Practices	Instructional Notes
Pictures of weathering and erosion	S6E5.d, e	What's Happening to the Earth?	<p><u><i>A Framework for K-12 Science Education:</i></u> <i>By the end of grade 6:</i> ESS2.C: The Roles of Water in Earth's Surface Processes</p> <ul style="list-style-type: none"> ● Water continually cycles among land, ocean, and atmosphere via transpiration, evaporation, condensation and crystallization, and precipitation as well as downhill flows on land. ● The movement of water in the atmosphere is determined by winds, landforms, and ocean temperatures and currents being the major determinants of local weather patterns. ● Global movements of water and its changes in form are propelled by sunlight and gravity. ● Variations in density due to variations in temperature and salinity drive a global pattern of interconnected ocean currents. ● Water's movements, on land and underground, cause weathering and erosion, which change the land's surface features and create underground formations. 	<ul style="list-style-type: none"> ● Asking questions and defining problems ● Developing and using models 	<p>By the end of this unit, students are using the following language in their speaking and writing during EXPLAIN or ELABORATE:</p> <ul style="list-style-type: none"> ● Aquifer ● Canyon ● Cloud ● Condensation ● Dam ● Engineer ● Evaporate ● Evaporation ● Groundwater ● Hydrologic cycle ● Hydrology ● Infiltration ● Permeable ● Precipitation ● Reservoir ● Surface area ● Transpiration ● Water ● Water cycle ● Water supply ● Water vapor

This instructional segment will connect to Earth's Changing Landscapes.