

Earth's Changing Surface Learning Goals for Students and Teachers

Overarching learning goal: The surface of Earth has many different types of landforms and bodies of water that are always changing.

Student and Teacher Learning Goals	Additional Teacher Learning Goals
<ol style="list-style-type: none"> 1. Earth's surface has many different types of landforms and bodies of water. 2. Landforms, including bodies of water, look different in different places. 3. Landforms change over time. 4. Water can change the land over time. 5. The surface of Earth is always changing. Some changes happen slowly, and others happen quickly. 	<ol style="list-style-type: none"> 1T. Landforms are natural features on Earth's surface that are recognizable in the topography of a certain region. 2T. Variations in tectonic and climatic processes cause Earth's surface to look different in different places. 3Ta. Together, tectonic and climatic processes cause the land to build up and/or wear down at differing rates depending on the rate of tectonic-plate movement and the rate of weathering and erosion in a certain area. 3Tb. Even though Earth's surface is building up or wearing down at any given point in time and location, the amount of matter cycling through Earth's tectonic and climatic processes remains the same. 4T. Water is the primary process that wears down the land and moves rock debris from one location to another on Earth's surface. Water causes landforms to change through the processes of weathering, erosion, and deposition. Ice, wind, and gravity also help cause these changes.