

# Science Learning Progression

McDougal Littell Science

Grade: 8

**Learning Target:**  
To assess how a landform can be built up.  
6-8 ES2G, pt. 1

**Success Criteria:**  
I can... Explain how a given landform has been shaped by processes that build up structures.

**Formative Assessment:**  
**Exit Slip: To do this I will describe two tectonic processes by which mountains are formed**

**Learning Target:**  
To assess how a landform can be broken down.  
6-8 ES 2G, pt. 2

**Success Criteria:**  
I can... Explain how a given landform has been shaped by processes that break down and carry away material.

**Formative Assessment:**  
**Quick write: To do this I will use the words *erosion*, *weathering*, and *deposition* to explain how a given landform has been shaped.**

**Learning Target:**  
To synthesize the rock cycle as the formation of *igneous* rock from magma or lava, *sedimentary* rock from compaction of eroded particles, and *metamorphic* rock by heating and pressure.  
6-8 ES 2H

**Success Criteria:**  
I can... Complete a circular flow diagram and explain how one kind of rock could eventually become different kinds of rock

**Formative Assessment:**  
To do this I will complete a simulation of the rock cycle using crayons and complete a circular flow chart of the crayon/rock cycle.

**Learning Target:**  
To identify samples of igneous, sedimentary, and metamorphic rock by their properties.  
6-8 ES2H  
Pg. 120-121  
Supplemental

**Success Criteria:**  
I can... identify each of the three types of rock and describe how their properties provide evidence of how they were formed.

**Formative Assessment:**  
To do this I will work with others to identify the three types of rocks by their properties.

**Big Idea**  
**6-8 ES2G&H**  
**Landforms are shaped by processes that build up and processes that break down. The rock cycle is part of these processes.**