



Process That Shapes the Earth

Erosion and Deposition

This lesson is recommended for Grades 4 through 8. Time frame is 35-45 minutes.

Goal: To become familiar with erosion and deposition and how they affect the surface of the Earth.

Academic Standards/Benchmarks: Earth and Science & Earth Systems (based on the Ohio model)

Indicator:

Describe how wind, water and ice shape and reshape Earth's land surfaces by eroding rock and soil in some areas and depositing them in other areas producing characteristics landforms (e.g., dunes, deltas and glacial moraines). Gr. 4

10. Describe evidence of changes on Earth's surface in terms of slow processes (e.g., erosion, weathering, mountain building and deposition) and rapid processes (e.g., volcanic eruptions, earthquakes and landslides). Gr. 4
13. Describe how landforms are created through a combination of destructive (e.g., weathering and erosion) and constructive processes (e.g., crustal deformation, volcanic eruptions and deposition of sediment). Gr. 8

Objectives:

Demonstrate how erosion changes the shape of a mountain,

Compare the ages of mountains.

Explain processes that formed deltas and alluvial fans.

Observe how erosion controls can slow the effect of erosion

NOTE: It is the responsibility of the district/school to determine which students participate in our programs. This includes, but is not limited to, the district/school identifying students with allergies, those with potential to allergies, and to identify students with special needs who may require personalized accommodations. Prior notification is necessary to develop proper considerations.