

Ohio Learning Standard:

Topic: Earth's surface

Content Statement

4.ESS.2 The surface of Earth changes due to weathering.

4.ESS.3 The surface of Earth changes due to erosion and deposition.

I can statements:

- Students will be able to explain how Earth's surface changes due to erosion and deposition.
- Students will be able to explain how rocks change due to weathering.
- Students will classify changes made as weathering, erosion or deposition.
- Students will be able to explain how gravitational force affects movements of water, rock and soil.

Vocabulary-

Acidic- describing a liquid that contains acid

Debris- pieces of something broken

Destructive- describing something that breaks down or destroys

Frost wedging- a type of weathering that occurs when water enters the cracks in rocks, freezes and melts continuously, and breaks rocks apart over time.

Sediment- small pieces of rock

Thermal- heat based

Deposition- the dropping or collecting of rocks

End moraine- the collection of rock or sediment pushed down the mountain by a glacier

Erosion- the transportation of rock or sediment

Hoodoo- a tall, thin tower

Terraces- leveled steps carved out of slopes for farming or erosion prevention