Unit 8 Teacher Information

Plate Tectonics and Topographic Maps

Objectives

Ⓢ **SCI.8.9A** Describe the historical development of evidence that supports plate tectonic theory.

**Ⓡ SCI.8.9B** Relate plate tectonics to the formation of crustal features.

**Ⓡ SCI.8.9C** Interpret topographic maps and satellite views to identify land and erosional features and predict how these features may be reshaped by weathering.

Activity 1 Evidence of Plate Tectonics

 Materials: colored pencils

Focus: I can describe the historical development of evidence that supports plate tectonic theory.

*Language Objective:* I can read a timeline and answer questions.

Activity 2 Formation of Crustal Features

 Materials: scissors, glue, colored pencils

Focus: I can Relate plate tectonics to the formation of crustal features.

*Language Objective:* I can watch a power point presentation and answer questions.

Activity 3 Topographic Maps

 Materials: 1 topographic map per student, 1 foam craft sheet 6” x 8” per student, scissors, glue, pin per table

Focus: I can interpret topographic maps.

*Language Objective:* I can work with my partners to make a three

 -dimensional topographic map.

Activity 4 Using Satellite Imagery

 Materials: Satellite Imagery power point, sheet protectors, vis-à-vis pens

Focus: I can interpret satellite views to identify land and erosional features and predict how weathering may reshape these features.

*Language Objective:* I can work with my partners to observe pictures and discuss them.