

Plate Tectonics

OmniGlobe Lesson Plan

Grade / Class / Subject: High school 9th Grade Geophysical Science (Earth Science)

Lesson Time: 4 - 60 min lessons to be given over the course of 1 week

Unit / Theme: Plate tectonics

2010 Colorado State Standards:

3. Earth Systems Science : 3. The theory of plate tectonics helps to explain geological, physical, and geographical features of Earth

Essential Question: Content Objective(s):

How does the theory of Plate Tectonics explain the geographical features of the Earth?

Lesson Delivery:

Overview:

This content could be delivered in two ways depending on access to the Omni Globe. If you have the OG all week use option 1. If you only have the OG for a day, use option 2.

Option 1 : Full OG integration	Option 2: OG for only one day
<p>Day 1: Earth structure Savage earth “web quest” All Cracked up “lab” OG- Earth structure slide (need to make)</p> <p>Day 2: Plates and plate tectonics Theory of plate tectonics “web quest” Snickers/Milky Way demonstration</p> <p>Day 3: Plates and plate tectonics: Omni Globe Presentation OG-Earth plates OG-Earth quakes OG- volcanoes OG- overlay previous two and discuss how they occur along boundaries</p> <p>Day 4: Pangea and plate movement over time Pangaea “web quest” OG - Pangaea past animation OG - Future animation (find or make)</p>	<p>Day 1: Earth structure Savage earth “web quest” All Cracked up “lab”</p> <p>Day 2: Plates and plate tectonics Theory of plate tectonics “web quest”</p> <p>Day 3: Snickers/Milky Way demonstration Pangaea “web quest”</p> <p>Day 4: OG- Demos OG- Earth structure slide (need to make) OG-Earth plates OG-Earth quakes OG- volcanoes OG- overlay previous two and discuss how they occur along boundaries OG - Pangaea past animation OG - Future animation (find or make)</p>