

# PLATE TECTONICS

GEORGIA STANDARDS OF EXCELLENCE:

S5E1a,b,c; SS Map and Globe Skills 10; S6E5a,f;  
SES1b, SES2a,b,c,d,e

TENNESSEE ACADEMIC STANDARDS:

4.ESS2:1,2,3,4; 8.ESS2:2,4,5; ESS.ESS2:4,7,8; GEO.ESS2:1,14

## 5th, 6th + High School Grades



## DESCRIPTION

The Earth's crust is continually shifting, crashing, and spreading, creating various geologic happenings. In this exploration, come learn more about our restless earth.

### FIELD TRIP - APPROXIMATELY 2 HOURS

#### 30 MINUTES - GALLERY TIME

- Observe planet Earth and how it is constructed from tectonic plates
- Learn about how plate tectonics shaped Georgia in the past

#### 30 MINUTES - STORE

#### 30 MINUTES - GEM PANNING + CAREERS IN GEOLOGY

#### 30 MINUTES - LAB

- Discuss the origin of the theory of plate tectonics and Pangaea using examples of supporting evidence
- Discuss how planet Earth's crust is divided into numerous plates that move
- Use manipulatives to learn more about plate movement, subduction zones, rift valleys, convergent, divergent, transform boundaries and hot spots

#### TAKE HOME ITEMS

- Keep the gemstones found in Gem Panning