PLATE TECTONICS

GEORGIA STANDARDS OF EXCELLENCE:
S5E1a,b,c; SS Map and Globe Skills 10; S6E5a,f;
SES1b, SES2a,b,c,d,e; SS Map and Globe Skills

5th, 6th and 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
• Study plate movement from Pangaea to 50 million years into the future
• 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