



# PLATE TECTONICS

## 5th Grade

### DESCRIPTION

The Earth's crust is continually shifting, crashing, and spreading, creating various geologic happenings. Explore our restless earth through the many displays in the Weinman Mineral Gallery, including our Magic Planet and our large floor model of the cross section of Earth. Program will run for two hours.

#### 30 MINUTES – GALLERY TIME

- Anatomy of the Planet
- Earthquake & Volcano Displays
- Iris Display (shows current seismic activity worldwide)
- The Magic Planet
- Rock Cycle Wall

#### 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
- Students will understand through various manipulatives: plate movement, subduction zones, rift valleys, convergent, divergent, transform boundaries and hot spots

#### 30 MINUTES

- Gem Panning and Careers in Geology

#### 30 MINUTES

- Store, Foucault Pendulum & Apatosaurus

#### TAKE HOME ITEMS

- Keep the gemstones found at Gem Panning