



# CSI: CLASSROOM SOIL INVESTIGATION 6th Grade

## DESCRIPTION

Get the dirt on Soil! Investigate its physical characteristics using your senses. Learn the makeup of soil. Explore how weathering changes rocks and soil over time. Make predictions and participate in a water absorption race, use a hand held microscope to examine different specimens. You will explore soil in a brand new way. Program will run for two hours.

### 30 MINUTES – GALLERY TIME

- Rock vs. Mineral
- Rock Cycle Wall
- Brief discussion about Plate Tectonics

### 30 MINUTES

- Gem Panning and Careers in Geology

### 30 MINUTES

- Store, Foucault Pendulum & Apatosaurus

### TAKE HOME ITEMS

- Keep the gemstones found at Gem Panning

### 30 MINUTES - LAB

- Discuss the processes of how soil is made
- Sense the soil
- Make microscopic observations using individual hand held microscopes
- Predict & participate in a water absorption race
- Discuss pH
- Use pH meters to determine their soil samples acidity or alkalinity