



## 6<sup>th</sup> Grade Ranger Programs Available for Field Trips:

To make a reservation, or if you have any questions, please call our Education Rangers **(970) 858-3617 ext 367**.

### No Thoroughfare Canyon Hike and Stations (3-4 hrs.)

Teachers may choose either theme depending on season (spring or fall) and educational goals.

Typically, students are broken into 4 groups (A, B, C, D). Each group will complete one hike and two activity stations. Groups A & B hike while groups C & D rotate between stations. Then groups C & D hike, while A & B rotate stations.

## Fall Theme: (Constructive and Destructive Earth's Processes)

### Exploring the Evidence

No Thoroughfare Canyon 2.5 miles (round trip) 1.5 hrs.

Students will go on a ranger-guided hike to the first pool in No Thoroughfare Canyon to identify the evidence of geological processes (rock cycle, weathering and erosion, flash floods) that formed the layers and carved the canyon.

**Science 3.1** Complex interrelationships exist between Earth's structure and natural processes that over time are both constructive and deconstructive.

### Station: Masters of Models

Devils Kitchen Picnic Area (30-45 minutes)

Students will model mountain building, stream erosion and flash floods using sandboxes.

**Science 3.1** Complex interrelationships exist between Earth's structure and natural processes that over time are both constructive and deconstructive.

### Station: Rockin' Around

Devils Kitchen Picnic Area (30-45 minutes)

During this teacher led journaling time, students will compare and contrast samples of sedimentary, igneous and metamorphic rock types

**Science 3.1** Complex interrelationships exist between Earth's structure and natural processes that over time are both constructive and deconstructive.

## Spring Theme: (Water Cycle and Ecosystems)

### Walking through the Water Cycle

No Thoroughfare Canyon 2.5 miles (round trip) 1.5 hrs.

Students will go on a ranger-guided hike to observe how the water cycle affects a seasonal pool.

**Science 3.2** Water on earth is distributed and circulated through oceans, glaciers, rivers, ground water, and the atmosphere.

### Station: Desert Dwellers (Ecosystems)

Devils Kitchen Picnic Area (30-45 minutes)

Through interactive, ranger-led activities focusing on the ecosystems, food webs and biodiversity of the Monument, students will investigate how organisms interact with the environment.

**Science 2.1** Changes in environmental conditions can affect the survival of individual organisms, populations, and entire species.

**Science 2.2** Organisms interact with each other and their environment in various ways that create a flow of energy and cycling of matter in an ecosystem.

### Station: Balancing Biodiversity (Ecosystems)

Devils Kitchen Picnic Area (30-45 minutes)

During this teacher led journaling time, students will reflect on how changes in an environment and human impacts can affect ecosystems and biodiversity.

**Science 2.1** Changes in environmental conditions can affect the survival of individual organisms, populations, and entire species.

**Science 2.2** Organisms interact with each other and their environment in various ways that create a flow of energy and cycling of matter in an ecosystem.