Target Audience: Grades K-5

Description: “Geology Rocks” is a curriculum that introduces youth to information and activities about earth science through activities focused on geology.

Format: Each session contains at least two activities that can usually be completed in 45-60 minutes of classroom time. “Geology Rocks” also includes rock and mineral samples.

Session 1: Earth’s Treasure Chest
Youth will understand the definition of “geology” and “geologist,” as well as learn more about/participate in the task of “gold” mining during the activity “Chip Mining.”

Session 2: The First Rock Group
Youth will learn about the similarities and differences between Igneous, Sedimentary, and Metamorphic rocks.

Session 3: Rockology 1
Youth will be able to identify the substances/minerals that make up most rocks, as well as decide whether a rock cleaves or fractures when broken during the activity “Break It Up.”

Session 4: Rockology 2
Youth will create a mini clay model of the earth, as well as experiment with the concept of fault lines through the activity “Push Those Plates.”

Session 5: Quakin’, Shakin’, and Shapin’
During the “Volcanoes” activity, youth will create models of three different types of volcanoes.

Session 6: Water, Water Everywhere
Youth will learn about the process of erosion, and how it has contributed to how the earth looks today.

The “Geology Rocks” curriculum and kit can be borrowed for one month.