

Rocks & Minerals- Program Highlights



Grade: 3 Length: 2 hours Number of volunteers requested: 4 Student Booklet: Yes

Please refer to www.tpet.ca for a complete list of SLE's covered in this field trip!

Activities:

Whole group:

- "Indiana Jane" is going to train the students to become **Junior Geologists**. The stations will be their training.
- The students learn the Geologists **secret wave**. Students take turns guessing the meaning of the secret wave throughout the fieldtrip.



Station 1: The Dirt on Soil:

Volunteer English Language Proficiency: ★

- The Junior Geologists will have a closer look at soil. **Using tools they will sift, poke and examine a dirt sample.**

Station 2: Looking at Rocks:

Presenter will run this station

- The Junior Geologists will **look at rock samples and record their characteristics. They look at colour, luster and texture. Students scratch test the samples for hardness and even perform a test to see if calcium carbonate is present.**



Station 3: Looking at Minerals:

Volunteer English Language Proficiency: ★★★

- The Junior Geologists **will look at mineral samples and record their characteristics. They look at colour, luster and texture. Students scratch test the samples for hardness and perform a test to see if the mineral is magnetic.**

Station 4: Types of Rocks:

Volunteer English Language Proficiency: ★★★

- The Junior Geologists will investigate **how the 3 types of Rocks are formed (Sedimentary, Metamorphic and Igneous). Then they will get to look at samples of all three types of rocks.**



Station 5: Rocks and Mineral uses:

Volunteer English Language Proficiency: ★★

- The Junior Geologists will have a closer **look at how we use rocks and minerals and then make their very own toothpaste.**

Closing activity:

- As a whole group review the secret wave to and discover its meaning.