

## Soils, Rocks, & Archaeology Grade 3-4

### OVERVIEW/PURPOSE

Students will explore the different soils and rock types while learning about how Archaeologists interact with and encounter them in their work studying Ontario's past Peoples.

### COMPONENTS

#### 1. Pre-Activities

- a. Identifying Rock Types
- b. Identifying Soils Types

#### 2. Live Segment: How Soils and Rocks are part of Archaeology

- a. Rocks in Archaeology
  - i. What kinds of artifacts are made from rock?
  - ii. What can they tell us about the past?
- b. Soils in Archaeology and the principle of superposition
  - i. Some artifacts have long since decayed but their existence is preserved as soil.
  - ii. How do Archaeologists use the varying colours of soil to help us tell time.

#### 3. Post-Activity

- a. Rocks and Soils as Resources Yesterday and Today (Now and Then)
- b. Resource Map Activity - drag and drop
- c. Quiz

### CURRICULUM CONNECTIONS

#### Grade 3

**Science:** Understanding Life Systems (A3)

**Science:** Understanding Earth And Space Systems (D2, D3)

**Social Studies:** Heritage And Identity: Communities In Canada, 1780 –1850 (A1)

#### Grade 4

**Science:** Understanding Earth And Space Systems Rocks And Minerals (D1,D3)

**Social Studies:** Heritage And Identity: Early Societies To 1500 CE (A1, A2)

#### Learning Objectives:

By the end of this program, students will be able to:

- Identify the three types of rocks and how humans used rocks in daily life.
- Match the characteristics of each rock type to the correct rock type.
- Explain the process of soil formation.
- Investigate the composition of soil and the three types of soil.
- Examine the resources of a village and their uses.