

## Curriculum Outcomes Covered

### Investigating Soils Composition

Students will be expected to:

- discuss and make predictions that lead to exploration and investigation of the composition of soil (200-1, 200-3)
- explore and describe a variety of soils and find similarities and differences among them using: (100-36)
  - colour
  - texture
  - smell
  - ability to clump
- investigate and describe soil components using appropriate tools such as spoons, magnifying glasses, jars, and filters (100-37, 201-3)
- make and record observations and measurements in investigations related to soil composition. (201-5)
- draw conclusions to an initial prediction related to soil composition based on their investigations (202-7)

### Water Absorption of Soils

Students will be expected to:

- describe the effect of moisture on characteristics of the soils (100-38a) Include:
  - colour
  - texture (sponginess)
  - smell
  - ability to clump
- make predictions about the absorption of water by different types of soil that lead to exploration and investigation (200-3)
- compare the absorption of water by different soils. (100-38b)
- communicate results of investigations related to testing water absorption of soils, using drawings, demonstrations, and/or written and oral descriptions (203-3)

## **Interactions of Living Things and Soils**

Students will be expected to:

investigate and describe how living things affect soil. (100- 35a) Include:

→ breaks soil down into humus

→ aerate soil

list organisms that live in soil. Include:

→ earthworms

→ insects

→ bacteria

→ rodents

investigate and describe how soil affects living things (100-35b) Include:

→ provides shelter

→ provides food

→ provides space

identify and use a variety of sources of science information to gather information about how living things affect and are affected by soils (201-7)

## **Technological Products and Processes Related to Soil**

Students will be expected to:

demonstrate and describe ways of using earth materials to make useful objects (101-12)