



Soiling Your Plants

A hands-on exploration of types of soil and an interpretive hike focusing on plants both big and small.

Duration: Full day (1/2 day Soil Study and 1/2 day Plant Hike)

Curriculum Reference: Science and Technology

Grade: 3

Minimum Supervision Requirements: Teacher + 1 adult supervisor

Learning Objectives:

- 1) Investigate the properties of soils with different compositions to better understand the importance of soil in a stable eco-system.
- 2) Introduce plant parts, adaptations and why humans need plants.

Big Ideas:

- How is soil made?
- What are the differences between silt, loam, sand, and clay?
- Why do different soil compositions matter?
- What are the parts of a plant?
- What are some ways plants adapt or thrive in their environment?



Sample Itinerary

(Times will vary based on bus charter timing)

10:00am	Students arrive	Welcome chat, washroom break, snack
10:30am	Soil Study	Investigate the different types of soil and compare them using a variety of tests.
11:45am	Return to Outdoor Centre for lunch	Hike back to the Outdoor Centre. Wash hands and get ready for lunch
12:45pm	Tidy up lunch	Tidy up lunch, washroom break
1:00pm	Plant Hike	Go for a hike through the forest while focusing on the different types and parts of plants.
2:00pm	Clean up, Depart	Final washroom break and snack. Bus departs (2:30)