

Lesson 1: What is Soil? (Introduction & Observation)

Objective: Understand the importance of soil and become familiar with it.

Activities:

- Compare soil types by smell, color, and texture (dry soil, wet soil, sandy soil, etc.).
- Group discussion: "What do plants receive from the soil?"

Key Learning Points:

- Soil supports plants and provides water and nutrients.
- There are many types of soil.

https://www.nrcs.usda.gov/conservation-basics/natural-resource-concerns/soils/soil-health?utm_source=chatgpt.com Conservation Service

Lesson 2: Explore Inside the Soil (Soil Components)

Objective: Learn what's inside the soil.

Activities:

- Put soil in a jar with water to separate sand, silt, and clay.
- Search for living things like insects, roots, and small rocks and sort them.

Key Learning Points:

- Soil is made of different particles.
- Living creatures in soil help keep it healthy.

Lesson 3: Water in Soil (Drainage Experiment)

Objective: Understand how water moves through different types of soil.

Activities:

- Test the drainage of three soil types: sandy, loamy, and clay soils.
- Observe which soil drains water faster or slower.

Key Learning Points:

- Some soils drain water well and others do not.
- Different plants prefer different kinds of soil drainage.

[Gantt chart in Zoho Projects: your cheat code to task management](#)

[Testing Soil Composition](#)