

Classroom Environmental Education Box:
Let's Learn About Soil

Photos:



Description: The objective of this activity is to facilitate students' comprehension of soil complexity. Through this activity, students will gain insight into the origins of their food and develop a fresh perspective on soil. The activity incorporates two key components: exploring permeability and examining soil microscopically. These components work synergistically to broaden students' understanding of soil composition. Different types of soil and materials are utilized to demonstrate how water interacts with soil during the permeability segment. It is strongly recommended that classrooms utilize microscopes to observe soil samples collected from their surroundings, enabling students to discern disparities between provided soil and locally sourced samples.

Educational Standards Met:

- 4.ESS2: Earth's Systems 1) Collect and analyze data from observations to provide evidence that rocks, soils, and sediments are broken into smaller pieces through mechanical weathering (frost wedging, abrasion, tree root wedging) and are transported by water, ice, wind, gravity, and vegetation.

Activity Materials and Instructions:

- 📄 [LetsLearnAboutSoil_MaterialsandInstructions-3.pdf](#)
- 📄 [Let'sLearnAboutSoilTeacher-Guided Discussion Sheet.pdf](#)
- 📄 [Let'sLearnAboutSoilWorksheet.pdf](#)
- 📄 [SoilLecture.pdf](#)
- 📄 [MicroscopeManual.pdf](#)

