

# Soil Characterization and Fertility Study Activities for Grade 4

By Participants of Into the Woods Conservation Project

## Observations and Inferences

Compare and contrast the qualities of different types of soil from different places.

Auger a soil core and compare and contrast soil from different horizons. Recreate soil core in a soda-bottle.

Map of locations where soils are collected.

Study soil moisture in different samples.

Recreate in a soda bottle the layers of soil using the samples brought from the field.

Compare and contrast different types of soil from different places.

## Experiment

Measure and graph nitrogen, potassium and phosphorus in different soil types.

Compare nutrient levels in potting soil with compost, soil from the school grounds and soils from a local park.

Enrich a soil tank with fruit scraps and worms and assess nutrient changes on a weekly basis.

Plant plants in different soil types to see what type of soils are best for plant growth.

# **des 2-6**

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## AMNH - Common core workshops