Soil Characterization and Fertility Study Activities for Grades 2-6
By Participants of Into the Woods Cohort 2, October 2014

**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.