



## Super Soil Discovery

Get muddy on this trip designed in partnership with 3rd grade teachers to explore attributes of soil and bring this SOL topic to life! Activities include water filtration, identifying the size of particles, mud painting, composting and discussing essential nutrients for plants and other organisms. This field trip is geared towards 3rd grade and highlights the idea that soil is a natural resource that should be conserved.

Depending on the time and class size, participants may do all or some of the activities.

SOLs covered: 3.6, 3.7, 3.8

# Virginia SOLS

## Earth and Space Systems

- 3.6 The student will investigate and understand that soil is important in ecosystems. Key ideas include
- soil, with its different components, is important to organisms; and
  - soil provides support and nutrients necessary for plant growth.
- 3.7 The student will investigate and understand that there is a water cycle and water is important to life on Earth. Key ideas include
- there are many reservoirs of water on Earth;
  - the energy from the sun drives the water cycle; and
  - the water cycle involves specific processes.

## Earth Resources

- 3.8 The student will investigate and understand that natural events and humans influence ecosystems. Key ideas include
- human activity affects the quality of air, water, and habitats;
  - water is limited and needs to be conserved;
  - fire, flood, disease, and erosion affect ecosystems; and
  - soil is a natural resource and should be conserved.