



## School Field Trips Green Spring Gardens

# Geo Trek

**Geo Trek** is a nature program that integrates the fifth grade Virginia Standards of Learning (Science SOLs: 5.1, 5.4, 5.6, 5.7). The students rotate through three stations: two in the Horticultural Center, and one outside.

### Rock Lab

What kind of rock is this? Each student will have the opportunity to use a dichotomous (classification) key and go through a series of scientific tests (such as the scratch or crumble test) in order to identify mystery rocks.

This lab includes a brief explanation of different classification keys and their importance as scientific tools.



### Rock Cycle

How are rocks made? Students dig into Earth's geological history with demonstrations of the rock cycle, weathering, erosion, and plate tectonics. Gain a clear understanding of how geologic forces help create igneous, sedimentary, and metamorphic rocks. Students learn how geology can cause major geological events such as tsunamis, earthquakes, and volcanos.



### Green Spring Geo Trek

A tour of the park reveals many geologic features and processes: active and historical sedimentary deposits; metamorphic bedrock; current erosion and erosion control. Students walk our historic grounds to see how the geology they learn in the classroom effects the history and development of the land around them.



## Green Spring Gardens

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