



We work with the people who work the land.



Headwaters Soil & Water Conservation District

2018 Science SOL-Based Environmental Education Programs for Fifth Grade

Contact Rachel Winter rwinter@co.augusta.va.us or 540-248-0148 ext 5

Or use Google Form to request a lesson: <https://forms.gle/4bA3NF4jeXpM6aCd8>

- **Conservation Poster Contest (K-12)** Poster contest held every spring and following the rotating natural resources theme set by the National Association of Conservation Districts (NACD). Open to all K-12 students. An introductory presentation and lesson on the theme is available if requested. Contact the SWCD office for more information and entry forms.
- **Erosion Model Demonstration (2.7, 2.8)** A demonstration showing the effects different types ground cover has on controlling soil erosion. Students will learn about what soil erosion is, how it occurs, and the various conservation practices available to reduce erosion from agriculture and urban areas. Students will be able to understand the importance of soil conservation for both soil and water quality.
- **Sinkhole in a Cup (5.8)** Students will investigate and understand the karst topography in the Shenandoah Valley of Virginia. In this lesson, students will demonstrate how sinkholes and caves form. Students will create a model sinkhole to mimic the effect of groundwater on limestone.
- **Underground Classroom Visit (5.8)** a on-site field trip experience where students can experience and visually learn about the world beneath their feet. We dive into the underground ecosystem and discover the variety of living and non-living things we find underground. Students discover why soil is an important natural resource, and the importance of protecting soil against erosion. The tour can be combined with additional lessons for a longer hands-on field trip experience. *A list of additional lessons specifically related to soils and the Underground Classroom content is available.*