



We work with the people who work the land.



Headwaters Soil & Water Conservation District

2018 Science SOL-Based Environmental Education Programs for Kindergarten

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, K.11)** 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.
- **Dirt By Steve Tomecek Guided Storytime (K.7, K.11)** A read-aloud story time where students get down in the dirt with a friendly star-nosed mole as he shows off the different parts of his garden and some amazing creatures who live in the dirt. During this exciting book, children discover what soil is, how it is formed, and why this substance is vital to plants, animals, and humans. As resources allow, we provide a copy of the book for the classroom library.
- **Every Tree for Itself (K.7)** An active simulation to give students an understanding of the conditions that trees need to live and grow and to help students learn that trees often must compete for their needs.
- **Freddy the Fish (K.7, K.11)** This is a fun highly participatory activity to discuss how humans affect life processes and water quality. Each student is able to participate with their own 'stream' and 'fish'.
- **Pick a Path (K.4, K.6)** Students participate in activity to understand and demonstrate the different particle sizes of soil types. Students discover that water moves down through the soil when it rains. After the activity, students will be able to draw conclusions on the ability of water to move through different soil particle sizes.
- **The 3 R's—Reduce, Reuse, Recycle (K.11)** The 3 R's is a fun program to teach about Reducing, Reusing and Recycling. The lesson is integrated into Recycling Relay, an interactive game that involves each student in the deciding how items should be disposed.
- **Underground Classroom Visit (K.6, K.7, K.11)** a 20-minute on-site field trip experience where students can experience and visually learn about the world beneath their feet. We travel into the underground ecosystem and discover the variety of living and non-living things we find underground. We cover why soil is important to help plants grow and seeds germinate and the functions of plant roots in soil. Students discover some of the vegetable crops that grow underground, animals that live underground and why soil is an important natural resource. 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 is available.