



We work with the people who work the land.



Headwaters Soil & Water Conservation District

2018 Science SOL-Based Environmental Education Programs for Second Grade

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

- **Animal Tracks & Scat (2.5)** A variety of model animal tracks and scat will be displayed. Virginia wildlife (mammals) their diets, habitats, etc. will be discussed. This can either be a lesson taught by SWCD staff or the Track & Scat Wildlife kit and be borrowed by the classroom teacher(s).
- **Beware of the Butterfluff (2.5, 2.8)** Students participate in an interactive demonstration in order to understand the interaction and competition between native, non-native, and invasive species. After the activity, students will be able to provide examples of native, non-native, and invasive species found in Virginia.
- **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.
- **Dirt By Steve Tomecek Guided Storytime (2.5)** 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 tour, 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.
- **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.
- **Interactive Soils Game (2.7, 2.8)** It has long been known that the number one way to prevent soil erosion is by planting a cover crop for the soil such as trees, shrubs, grass or crops. This game attempts to demonstrate to the students how the plants help the soil. It can also be used to demonstrate the different kinds of soil and how well they absorb water.
- **Underground Classroom Visit (2.4, 2.5, 2.8)** a 20-minute 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 some of the vegetable crops that grow underground, learn why soil is an important natural resource, and the benefits of soil to plants and animals. 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.
- **We All Need Trees (2.5, 2.8)** Students are often surprised to learn how many different products we get from trees. Students participate in an interactive activity to identify and categorize products we depend on that come from trees. Examples of tree products are supplied.