

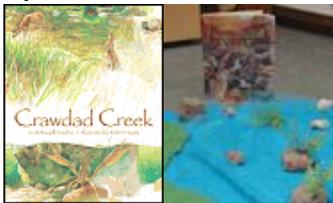
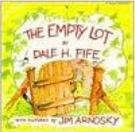
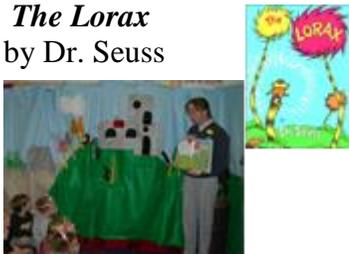
Environmental Education Programs

Franklin Soil and Water Conservation District

Franklin Soil and Water Conservation District provides interactive presentations to students in both formal and non-formal settings. All of the programs have been correlated with Ohio's New Learning Standards for Earth and Space Sciences and Life Sciences. The topics included are soils, water and watersheds, and human impact on the environment. The programs include models, simulations, activities and/or literature connections.

All of our programs correlate with more than one grade level. Below are program suggestions by grade level developed from our most common requests. High School programming on earth's resources is also available.

Suggested Grade Level Programming

Grade and Standard	Program	Program Descriptions
<p>preK</p> <p><u>Earth and Space Sciences:</u> Develop understanding of the relationship between humans and nature, recognizing between helpful and harmful actions toward the natural environment.</p> <p><u>Life Sciences</u> Identify and explore the relationship between living things and their environments.</p>	<p><i>Crawdad Creek</i> by Scott Russell Sanders</p> 	<p>Students sit around the “dry stream” as they listen to the story <i>Crawdad Creek</i>. They each have an item to add to the stream as the story unfolds. The presentation concludes with a discussion of the ways that different animals are adapted to live in the stream and the importance of clean water for each of the animals.</p>
<p>Kindergarten</p> <p><u>Life Sciences:</u> Living things have physical traits and behaviors, which influence their survival.</p> 	<p><i>The Empty Lot</i> by Dale Fife</p> 	<p>Students sit in the setting of the story and participate by adding the animals that Harry, the owner of this “Empty Lot” meets as he explores the land. It is soon obvious that this lot is not empty, but a home for many animals. The presentation concludes with a discussion of what needs all animals have for survival and how our yards can also be homes for a variety of animals.</p>
<p>1st Grade</p> <p><u>Life Sciences:</u> Living things have basic needs, which are met by obtaining materials from their physical environment. Living things survive only in environs that meet their needs.</p>	<p>The Power of Plants!</p> 	<p>This basic introduction of plants includes exploration of their life cycle, needs for survival, and roles of the different plant parts. Students will discover that plants soak up and filter storm water runoff. A discussion of the importance and advantages of using native plants will also be included.</p>
<p>2nd Grade</p> <p><u>Life Science:</u> Living things cause changes on earth.</p>	<p><i>The Lorax</i> by Dr. Seuss</p> 	<p>Students sit in a felt backdrop setting of the book <i>The Lorax</i>. They participate by adding the characters to this backdrop, and they witness the habitat changes as the story unfolds. The presentation concludes with a discussion of the choices and consequences in the story. Students are reminded that making wise choices will help protect our local environment.</p>

For more information and to schedule a program contact Linda Pettit at linda-pettit@franklinswcd.org or 614-486-9613 extension 115.

Grade and Standard	Program	Program Descriptions
<p>3rd Grade <u>Earth and Space Sciences:</u> Earth's non-living resources have specific properties – soil</p>	<p>Journey Through the Soil</p> 	<p>A realistically painted canvas mural tells the story of soil below the surface. This “soil tunnel” depicts soil layers, plant roots and life underground. The program includes soil ingredients, textures, properties, importance and uses.</p>
<p>4th Grade <u>Life Sciences:</u> Changes in an organism's environment are sometimes beneficial to its survival and sometimes harmful.</p>	<p>The Murky Water Caper by Deborah Rodney Pex</p> 	<p>Students become the characters and follow the parts for this Readers' Theater performance of a hard-boiled detective and the animals that come to her for help when their river becomes polluted. The presentation concludes with a discussion about the different types of pollution discovered and the sources of these pollutants. Important topics include human impact on the environment, storm drains and watersheds.</p>
<p>5th Grade <u>Life Sciences:</u> Organisms perform a variety of roles in an ecosystem.</p>	<p>Under One Rock: Discovering Soil is Alive</p> 	<p>A discussion of soil as a habitat and its macro-invertebrate inhabitants is followed by the opportunity for students to investigate soil samples for these critters. The program concludes with a discussion of the role each organism plays in the food web.</p>
<p>6th Grade <u>Earth and Space Sciences:</u> Soil is unconsolidated material that contains nutrient matter and weathered rock. Rocks, minerals and soil have common and practical uses.</p>	<p>Exploring Soil</p> 	<p>Through hands-on activities, students witness the weathering of rocks into soil and experience the differences in soil textures. Through models the composition and layers of soil are also explored. The program concludes with a discussion of the importance of soil and uses of different soil types.</p>
<p>7th Grade <u>Earth and Space Sciences</u> The hydrologic cycle illustrates the states of water as it moves through lithosphere, biosphere.. <u>Life Sciences:</u> In any particular biome, the number, growth, and survival of organisms and populations depend on biotic and abiotic factors.</p>	<p>What's in Our Water</p> 	<p>The concepts of water pollution, watershed and human impact on the environment are visually demonstrated through the <i>EnviroScape</i> model. Students witness the water quality changes when rain and land pollutants mix. The differences between non-point and point sources of pollution are also addressed.</p>
<p>8th Grade <u>Earth and Space Sciences</u> A combination of constructive and destructive processes formed Earth's surface.</p>	<p>The Sliding Soil</p> 	<p>The concept of erosion is demonstrated with the soil erosion simulator. Students predict and compare the effects of rain falling on bare soil, mulched soil and grass. The effects of soil erosion on water quality and landscape alterations are discussed. The differences between permeable and impermeable surfaces can also be addressed.</p>

This is not an exhaustive list of our programs, just highlights. You can find the complete list on our website at: <http://www.franklinswcd.org/programs-and-services/youth-education/youth-presentations/>.

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