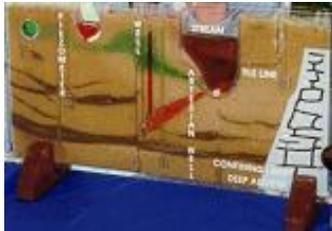


Educational Models and Kits for Loan

Franklin Soil and Water Conservation District

Franklin Soil and Water Conservation District has subject kits and models for loan to schools, home schoolers, scouts, youth and 4-H groups. All of the loan kits and models have been correlated with Ohio's New Learning Standards for Earth and Space Sciences and Life Sciences in grades preK -8 and Earth's Resources within HS Physical Geology and Environmental Science courses. Training sessions with "how to use" strategies for the loan kits and models are available upon request.

Soil	Model or Kit Description	Correlation to Standards
Soil Profile Panel 	<p>This hanging felt board portrays the layers of soil underground. The story of soil is brought to life as students add felt representations of soil components (air, water, organic matter and parent material), plant roots, arrow heads and fossils. Models of soil "critters" are also included in this kit to represent the life that takes place underground.</p>	<p><u>Earth and Space Sciences:</u> 3, 6</p> <p><u>Life Sciences:</u> preK, 1, 2, 4, 5</p>
Soil Erosion Simulator 	<p>The concept of erosion is demonstrated with the soil erosion simulator. Students can predict and compare the effects of rain falling on bare soil, mulched soil and grass. Students can also test different theories involving soil erosion, water quality, landscape alterations and the differences between permeable and impermeable surfaces with this model.</p>	<p><u>Earth and Space Sciences:</u> 3, 4, 7, 8</p> <p><u>Life Sciences:</u> 2, 4</p> <p><u>Earth's Resources</u> HS</p>
Rocks, Minerals, Fossils and Soil Loan Kit 	<p>This kit includes background information, hands-on activities, children's literature, rock, fossil and soil samples and reference materials to help meet the Earth and Space Sciences learning standards covering the properties, types and importance of rocks, minerals, fossils and soil.</p>	<p><u>Earth and Space Sciences:</u> 3, 4, 6</p> <p><u>Life Sciences:</u> 4, 8</p> <p><u>Physical Geology - HS</u></p>
Water	Model or Kit Description	Correlation to Standards
Ground Water Model 	<p>This simulated cut-away section of the earth includes features such as confined and unconfined layers, aquifers and fractured bedrock. This model shows the dynamics of water flowing underground and the potential of a contaminated well affecting the quality of water in other wells miles away. Included is a PowerPoint of background information for teachers, and another as a presentation for students, to go along with the model.</p>	<p><u>Earth and Space Sciences:</u> 7</p> <p><u>Earth's Resources</u> HS</p>

Watershed	Model or Kit Description	Correlation to Standards
<p>Watershed Loan Kit</p> 	<p>Background information and additional resources, hands-on activities, children's literature, preserved macroinvertebrates, puppets, posters and a dry stream model help students become familiar with the concepts of stream habitats, watershed and water quality. The variety of items covers a wide range of grade levels.</p>	<p><u>Earth and Space Sciences:</u> preK, 3, 7</p> <p><u>Life Sciences:</u> preK, K, 1, 2, 3, 4, 5, 7</p> <p><u>Earth's Resources</u> HS</p> 
<p>Dry Stream Model</p> 	<p>Fabric, artificial turf, plastic plants and Styrofoam rocks create a "dry stream" habitat for students to explore. Stream animals are included for discussions of animal needs for survival, adaptations, food chains, etc. Children's stories related to stream life are also included for interactive story-telling.</p>	<p><u>Life Sciences:</u> preK, K, 1, 3, 5, 7</p> <p><u>Earth's Resources:</u> HS</p>
Human Impact	Model or Kit Description	Correlation to Standards
<p>EnviroScope Models</p> 	<p>The concepts of point and non-point source water pollution, watershed and human impact on the environment are visually demonstrated through the <i>EnviroScope</i> model. Students witness the water quality changes when rain and land pollutants mix. Specific models covering the concepts of <i>wetlands</i>, <i>hazardous waste</i> and <i>water treatment</i> are also available.</p>	<p><u>Earth and Space Sciences:</u> preK, 3, 4, 7</p> <p><u>Life Sciences:</u> preK, 1, 2, 4, 7</p> <p><u>Earth's Resources:</u> HS</p>
<p><i>The Murky Water Caper</i> By Deborah Rodney Pex</p> 	<p>Students become the characters and follow their 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 kit includes 25 scripts, character props and illustrations that can be projected as scenery. The 13-page script can be performed in one class period and would be appropriate for older students to perform for younger students.</p>	<p><u>Life Sciences:</u> 4, 7</p> <p><u>Earth's Resources:</u> HS</p> 
<p><i>The Lorax</i> by Dr. Seuss</p> 	<p>This hanging felt backdrop is the scenery of the story <i>The Lorax</i>. The kit includes all of the props needed to complete the scene changes as the story unfolds. By adding and subtracting the props students visually understand the environmental consequences of not making wise choices.</p>	<p><u>Earth and Space Sciences:</u> preK, 3</p> <p><u>Life Sciences:</u> preK, K, 1, 2, 4, 7</p> <p><u>Earth's Resources:</u> HS</p>