





Pickaway Soil and Water Conservation District
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<http://pickawayswcd.org>

Pickaway Soil & Water Conservation District offers free presentations to school classes, home schools, and other groups. Karen Halley, Pickaway SWCD Education Coordinator, can visit your class/group on Tuesdays, Wednesday, or Thursdays. All of the presentations are correlated to the State Science Content Standards. The specific grade level indicators for each presentation are listed below.

For more information contact Karen Halley at 477-1693 or karen-halley@pickawayswcd.org.

Soil & Water Stewardship Field Days are offered through Pickaway SWCD. The Soil & Water Stewardship theme for 2011 is *Forestry*. Field Days are like field trips except you don't have to travel. We come to you! Pick a day and Karen will arrange for several professionals to set-up stations around the school building (preferably outside). Students rotate (as a class) to the stations. Field Days are typically planned for the whole building but can be adjusted to meet your needs. Several of the activities listed below can be incorporated into the day by using the local FFA students &/or other volunteers.



Pickaway SWCD also offers classroom presentations to 4th-9th grade classes that are participating in the **Soil & Water Stewardship Poster Contest**. Fliers with more information will be sent later in the year.

PICKAWAY SWCD FREE EDUCATION PROGRAMS		
<i>KINDERGARTEN (presentations are 30 minutes)</i>		
ACTIVITY TITLE	DESCRIPTION	SCIENCE CORRELATIONS
DIARY OF A WORM 	Students will investigate Pickaway County soils from a farm field or the woods. They investigate soil color, texture, smell, and evidence of plant and animal life. Then I will read <i>Diary of A Worm</i> , by Doreen Cronin.	E&S PSE 2 LS CSL 1,2 LS DIL 6 SI DSI 4 SWOK EP 3
DIG IT! THE SECRETS OF SOIL 	I will read the "BIG" book <i>Dig It! The Secrets of Soil</i> and then students will paint pictures with paint made from real SOIL!	Not correlated



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PICKAWAY SWCD FREE EDUCATION PROGRAMS


FIRST GRADE (presentations are 30 minutes)

ACTIVITY TITLE	DESCRIPTION	SCIENCE CORRELATIONS
DIRT (SOIL) MADE YOUR LUNCH 	Students learn that their food comes from SOIL and that not all soil is the same color. They use various colors of soil to paint their favorite food and trace it back to soil.	E&S ES 1 LS DIL 4 SI DSI 8,9
FRANCIS THE FISH 	Students take a journey with Francis the Fish as he swims downstream and encounters various environmental impacts from humans. Students color a picture of Francis and add things to their picture as Francis swims downstream.	E&S ES 1,2 E&S PSE 3 LS CSL 1,3 SI DSI 1,8

SECOND GRADE (presentations are 30 minutes)





ENVIROSCAPE 	The concepts of water pollution and watershed are visually demonstrated using this hands-on landscape model. Students learn how humans impact the environment.	S&T UT 3 SI DSI 1,2,3
HABITAT RUMMY 	Animal Habitat card activity is used to familiarize students with the local wildlife including white-tailed deer, osprey, river otter, black bear, and coyote. Students use play dough to create a habitat for one of the animals.	LS CSL 1,2,3

THIRD GRADE (presentations are 40 minutes)

SOIL INVESTIGATION 	Are all soils the same? Students will investigate 4 Pickaway County soils from a farm field, wetland, woods, and driveway. They investigate soil color, texture, smell, and evidence of plant and animal life.	E&S ES 3,4,5,6 LS DIL 6 SI DSI 2,3,5,6 SWOK EP 2
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PICKAWAY SWCD FREE EDUCATION PROGRAMS

ACTIVITY TITLE	DESCRIPTION	SCIENCE CORRELATIONS
<i>FOURTH GRADE (presentations are 40 minutes)</i>		
<p>GOING, GOING, GONE (EROSION MODEL)</p> 	<p>This activity begins with an Interactive Demo that visually shows the small percentage of topsoil available on earth to grow our food. Then we do an experiment using the Erosion Model (3 fields: 1-bare soil, 2-mulch covering the soil, & 3-grass growing in the soil). We discuss erosion, why it happens on one field and not the other, & how we can prevent it or at least slow it down. If time allows, we play Stubble, No Trouble.</p>	<p>E&S PSE 8,10 S&T UT 1 SI DSI 3,4,5 SWOK NS 2</p>
<p>INCREDIBLE JOURNEY</p> 	<p>Students role-play a drop of water as it travels through the Water Cycle. They make a beaded bracelet that represents their journey. They see that water does not always take the same journey.</p>	<p>E&S ES 2,3 PS NM 1,4 SI DSI 2 SWOK NS 2</p>
<i>FIFTH GRADE (presentations are 40 minutes)</i>		
<p>ENVIROSCAPE</p> 	<p>The concepts of water pollution and watershed are visually demonstrated using this hands-on landscape model. Students learn how humans impact the environment.</p>	<p>E&S ES 6 LS DIL 6 S&T UT 1</p>
<p>MACROINVERTEBRATE MAYHEM</p> 	<p>Macroinvertebrates are indicators of stream quality. Students role-play macroinvertebrate and find out how humans impact the stream habitat.</p>	<p>E&S ES 6 LS DIL 4,5,6 S&T UT 1</p>