

Environmental Education Programs Ohio Learning Standards

Geauga Soil and Water Conservation education programs align to the newest Ohio Learning Standards, Ohio Revised Science Standards and Model Curriculum.



The guide allows you to easily locate your grade level and identify the programs that will help you meet those standards.



Geauga Soil and Water Conservation District



**To use the guide find your specific grade level.
The strand, topic and content statement and the
aligned programs will be listed.**

Grade Level	Content Strand	Topic	Content Statement	Education Program
K	ESS	Daily and Seasonal Changes	K.ESS.1- Weather changes are long-term and short-term.	Freddie the Fish Incredible Journey Soil Sleuths Soil to Spoon Stream Team Detectives Where Does Your Watershed?
K	LS	Physical and Behavioral Traits of Living Things	K.LS.1: Living things have specific characteristics and traits	Beneficial Bats Buggin' Out Caterpillar Spring, Butterfly Summer Freddie the Fish Pond Exploration Soil Sleuths Soil to Spoon Stream Team Detectives Trees are TREEmendous Web of Life Wildlife Detectives Wildlife in Winter

Grade Level	Content Strand	Topic	Content Statement	Education Program
K	LS	Physical and Behavioral Traits of Living Things	K.LS.2: Living things have physical traits and behaviors, which influence their survival.	Beneficial Bats Buggin' Out Caterpillar Spring, Butterfly Summer Freddie the Fish Pond Exploration "Pond"ing Signs Left Behind Soil Sleuths Web of Life Wildlife Detectives Wildlife in Winter
K	PS	Properties of Everyday Objects and Materials	K.PS.1: Objects and materials can be sorted and described by their properties.	Buggin' Out Caterpillar Spring, Butterfly Summer Pond Exploration Soil Sleuths Soil to Spoon Stream Team Detectives Trees are TREEmendous What's Under Your Feet? Where Does Your Watershed? Wildlife Detectives Wildlife in Winter
1	ESS	Sun, Energy and Weather	1.ESS.1: The sun is the principal source of energy.	Incredible Journey Soil Sleuths Trees are TREEmendous Web of Life

Grade Level	Content Strand	Topic	Content Statement	Education Program
1	ESS	Sun, Energy and Weather	1.ESS.2: Water on Earth is present in many forms.	<p>Freddie the Fish Incredible Journey Pond Exploration Stream Team Detectives Trees are TREEmendous What's Under Your Feet? Where Does Your Watershed?</p>
1	PS	Motion and Materials	1.PS.1: Properties of objects and materials can change.	<p>Soil Sleuths</p>
1	LS	Basic Needs of Living Things	1.LS.: Living things have basic needs, which are met by obtaining materials from the physical environment.	<p>Beneficial Bats Buggin' Out Caterpillar Spring, Butterfly Summer Freddie the Fish Pond Exploration "Pond"ing Signs Left Behind Soil Sleuths Web of Life Wildlife Detectives Wildlife in Winter</p>
1	LS	Basic Needs of Living Things	1.LS.2: Living things survive only in environments that meet their needs.	<p>Beneficial Bats Buggin' Out Caterpillar Spring, Butterfly Summer Freddie the Fish Pond Exploration "Pond"ing Signs Left Behind Soil Sleuths Trees are TREEmendous Web of Life Wildlife Detectives Wildlife in Winter</p>

Grade Level	Content Strand	Topic	Content Statement	Education Program
2	ESS	The Atmosphere	2.ESS.1: The atmosphere is primarily made up of air.	Incredible Journey
2	ESS	The Atmosphere	2.ESS.2: Water is present in the atmosphere.	Freddie the Fish Incredible Journey Trees are TREEmendous What's Under Your Feet? Where Does Your Watershed?
2	ESS	The Atmosphere	2.ESS.3: Long and short term weather changes occur due to changes in energy.	Incredible Journey
2	PS	Changes in Motion	2.PS.1: Forces change the motion of an object.	Soil Sleuths Stream Team Detectives
2	LS	Interaction within Habitats	2.LS.1: Living things cause changes on Earth.	Beneficial Bats Caterpillar Spring, Butterfly Summer Freddie the Fish Incredible Journey Pond Exploration "Pond"ing Signs Left Behind Soil Sleuths Soil to Spoon Stream Team Detectives Trees are TREEmendous Where Does Your Watershed? Wildlife Detectives Wildlife in Winter

Grade Level	Content Strand	Topic	Content Statement	Education Program
2	LS	Interaction within Habitats	2.LS.3: All organisms alive today result from their ancestors, some of which may be extinct. Not all kinds of that lived in the past are represented by living organisms today.	Trees are TREEmendous Wildlife Detectives
3	ESS	Earth's Resources	3.ESS.1: Earth's nonliving resources have specific properties.	Soil Sleuths
3	ESS	Earth's Resources	3.ESS.2: Earth's resources can be used for money.	Incredible Journey Soil Sleuths Soil to Spoon Stream Team Detectives Trees are TREEmendous What's Under Your Feet? Where Does Your Watershed?

Grade Level	Content Strand	Topic	Content Statement	Education Program
3	ESS	Earth's Resources	3.ESS.3: Some of Earth's resources are limited.	Beneficial Bats Caterpillar Spring, Butterfly Summer Freddie the Fish Incredible Journey Pond Exploration "Pond"ing Signs Left Behind Soil Sleuths Soil to Spoon Stream Team Detectives Trees are TREEmendous Web of Life What's Under Your Feet? Where Does Your Watershed? Wildlife Detectives Wildlife in Winter
3	LS	Behavior, Growth and Changes	3.LS.1 Offspring resemble their parents and each other.	Beneficial Bats Buggin' Out Caterpillar Spring, Butterfly Summer Pond Exploration Stream Team Detectives Web of Life What's Under Your Feet? Wildlife Detectives Wildlife in Winter

Grade Level	Content Strand	Topic	Content Statement	Education Program
3	LS	Behavior, Growth and Changes	3.LS.2: Individuals of the same kind of organism differ in their inherited traits. These differences give some individuals an advantage in surviving and/or reproducing.	Beneficial Bats Buggin' Out Caterpillar Spring, Butterfly Summer Freddie the Fish Pond Exploration "Pond"ing Signs Left Behind Web of Life Wildlife Detectives Wildlife in Winter
3	LS	Behavior, Growth and Changes	3.LS.3: Plants and animals have life cycles that are part of their adaptations for survival in their natural environments.	Beneficial Bats Buggin' Out Caterpillar Spring, Butterfly Summer Freddie the Fish Pond Exploration "Pond"ing Signs Left Behind Stream Team Detectives Trees are TREEmendous Web of Life Wildlife Detectives Wildlife in Winter
3	PS	Matter and Forms of Energy	3.PS.1: All objects and substances in the natural world are composed of matter.	Soil Sleuths
3	PS	Matter and Forms of Energy	3.PS.2: Matter exists in different states, each of which has different properties.	Incredible Journey Soil Sleuths
4	ESS	Earth's Surface	4.ESS.1: Earth's surface has specific characteristics and landforms that can be identified.	Soil Sleuths Stream Team Detectives What's Under Your Feet? Where Does Your Watershed?

Grade Level	Content Strand	Topic	Content Statement	Education Program
4	ESS	Earth's Surface	4.ESS.2: The surface of Earth changes due to weathering.	Soil Sleuths Stream Team Detectives What's Under Your Feet? Where Does Your Watershed?
4	ESS	Earth's Surface	4.ESS.3: The surface of Earth changes due to erosion and deposition.	Soil Sleuths Stream Team Detectives What's Under Your Feet? Where Does Your Watershed?
4	LS	Earth's Living History	4.LS.1: Changes in an organism's environment are sometimes beneficial to its survival and sometimes harmful.	Beneficial Bats Buggin' Out Caterpillar Spring, Butterfly Summer Freddie the Fish Incredible Journey Pond Exploration "Pond"ing Signs Left Behind Soil Sleuths Soil to Spoon Stream Team Detectives Trees are TREEmendous Where Does Your Watershed? Wildlife Detectives Wildlife in Winter

Grade Level	Content Strand	Topic	Content Statement	Education Program
5	LS	Interactions within Systems	5.LS.1: Organisms perform a variety of roles in an ecosystem.	Beneficial Bats Buggin' Out Caterpillar Spring, Butterfly Summer Freddie the Fish Pond Exploration "Pond"ing Signs Left Behind Soil Sleuths Soil to Spoon Trees are TREEmendous Web of Life Wildlife Detectives Wildlife in Winter
5	LS	Interactions within Ecosystems	5.LS.2: All the processes that take place within organisms require energy.	Soil Sleuths What's Under Your Feet?
5	PS	Interactions within Ecosystems	5.PS.1: The amount of change in movement of an object is based on the mass of the object and the amount of force exerted.	Soil Sleuths
6	ESS	Rocks, Minerals and Soil	6.ESS.1: Minerals have specific, quantifiable properties.	Soil Sleuths
6	ESS	Rocks, Minerals and Soil	6.ESS.2: Igneous, metamorphic and sedimentary rocks have	Soil Sleuths What's Under Your Feet?
6	ESS	Rocks, Minerals and Soil	6.ESS.3: Igneous, metamorphic and sedimentary rocks form in different ways.	Soil Sleuths What's Under Your Feet?

Grade Level	Content Strand	Topic	Content Statement	Education Program
6	ESS	Rocks, Minerals and Soil	6.ESS.4: Soil is unconsolidated material that contains nutrient matter and weathered rock.	Soil Sleuths Stream Team Detectives What's Under Your Feet? Where Does Your Watershed? Wildlife in Winter
6	ESS	Rocks, Minerals and Soil	6.ESS.5: Rocks, mineral and soils have common and practical uses.	Soil Sleuths What's Under Your Feet?
6	PS	Cellular to Multicellular	6.LS.4: Living systems at all levels of organization demonstrate the complementary nature of structure and function.	Beneficial Bats Buggin' Out Caterpillar Spring, Butterfly Summer Freddie the Fish Pond Exploration "Pond"ing Signs Left Behind Soil Sleuths Soil to Spoon Trees are TREEmendous Web of Life Wildlife Detectives Wildlife in Winter
7	ESS	Cycles and Patterns of Earth and the Moon	7.ESS.1: The hydrologic cycle illustrates the changing states of water as it moves through the lithosphere, biosphere, hydrosphere and atmosphere.	Freddie the Fish Incredible Journey Pond Exploration "Pond"ing Signs Left Behind Stream Team Detectives What's Under Your Feet? Where Does Your Watershed?

Grade Level	Content Strand	Topic	Content Statement	Education Program
7	LS	Cycles of Matter and Flow of Energy	7.LS.2: In any particular biome, the number, growth and survival of organisms and populations depend on biotic and abiotic factors.	Beneficial Bats Caterpillar Spring, Butterfly Summer Freddie the Fish Pond Exploration "Pond"ing Signs Left Behind Soil Sleuths Trees are TREEmendous Web of Life What's Under Your Feet? Wildlife Detectives Wildlife in Winter
8	ESS	Physical Earth	8.ESS.3: A combination of constructive and destructive geologic processes formed Earth's surface.	Soil Sleuths Stream Team Detectives What's Under Your Feet? Where Does Your Watershed?
8	ESS	Physical Earth	8.ESS.4: Evidence of the dynamic changes of Earth's surface through time is found in the geologic record.	Stream Team Detectives Soil Sleuths
8	LS	Species and Reproduction	8.LS.1: Diversity of species, a result of variation of traits, occurs through the process of evolution and extinction over many generations. The fossil records provide evidence that changes have occurred in number and types of species.	Beneficial Bats Soil Sleuths Trees are TREEmendous Wildlife Detectives

Grade Level	Content Strand	Topic	Content Statement	Education Program
8	LS	Species and Reproduction	8.LS.2: Every organism alive today comes from a long line of ancestors who reproduced successfully every generation.	Beneficial Bats Web of Life Wildlife Detectives Wildlife in Winter
8	LS	Species and Reproduction	8.LS.3: The characteristics of an organism are a result of inherited traits received from parent(s).	Beneficial Bats Buggin' Out Caterpillar Spring, Butterfly Summer Wildlife Detectives Wildlife in Winter