

Lake County Soil & Water Conservation District

2014 Conservation Education Programs Ohio Science Correlations Guide

The Lake Soil and Water Conservation District
Education Programs have been aligned to meet the 2014 Ohio
Academic Content Standards and Model Curriculum.

This Correlations Guide is aligned for Grades Pre-K through 8th Grade.

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Ohio Revised Science Standards Content Statements - Pre-Kindergarten



**Lake County Soil & Water
Conservation District**

Program Title

Earth & Space Science

Physical Science

Life Science

Weather changes everyday

Water can be observed as lakes,
ponds, rivers, streams, the ocean,
rainfall, hail, sleet or snow.

Rocks and Soil have properties
that can help identify them.

Objects and materials are
described by their properties.

There are many distinct
environmental that support
different kinds of organisms.

Similarities and differences exist
among individuals of the same
kinds of plants and animals

Benthic Bugs and Bioassessment

Enviroscape

Freddie the Fish

Ground Water

Incredible Journey

Soil Sleuths

Streamulator

Watershed Watch

Web of Life

X

X

X

X

X

X

X


X

X

X

X

Ohio Revised Science Standards Content Statements - Kindergarten

 Lake County Soil & Water Conservation District Program Title	Earth & Space Science	Physical Science	Life Science	
	Weather changes are long-term and short-term.	Objects and materials can be sorted and described by their properties.	Living things are different from non-living things.	Living things have physical traits and behaviors, which influence their survival.
Benthic Bugs and Bioassessment		X		X
Enviroscape	X	X	X	X
Freddie the Fish			X	X
Ground Water		X		
Incredible Journey	X			
Soil Sleuths	X	X	X	X
Streamulator	X			
Watershed Watch		X	X	X
Web of Life			X	X

Ohio Revised Science Standards Content Statements - 1st Grade



Program Title

Earth & Space Science

Physical Science

Life Science

The sun is the principle source of energy.

The physical properties of water change.

Properties of objects and materials can change.

Living things have basic needs which are met by obtaining materials from the physical environment.

Living things survive only in environments that meet their needs.

Benthic Bugs and Bioassessment

X

Enviroscape

X

X

X

X

Freddie the Fish

X

X

X

Ground Water

X

Incredible Journey

X

X

Soil Sleuths

X

X

X

X

Streamulator

X

Watershed Watch

X

X

X

Web of Life

X

X

X

Ohio Revised Science Standards Content Statements - 2nd grade



**Lake County Soil & Water
Conservation District**

Program Title

Earth & Space Science

Physical Science

Life Science

The atmosphere is made up of air.

Water is present in the air.

Long and short-term weather changes occur due to changes in energy

Forces change the motion of and object.

Living things cause changes on Earth.

Some kinds of individuals that once lived on Earth have completely disappeared, although they were something like others that are alive today.

Benthic Bugs and Bioassessment

Enviroscape

Freddie the Fish

Ground Water

Incredible Journey

Soil Sleuths

Streamulator

Watershed Watch

Web of Life

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

Ohio Revised Science Standards Content Statements - 3rd Grade



**Lake County Soil & Water
Conservation District**

Program Title

Earth & Space Science

Physical Science

Life Science

Earth's non-living resources have specific properties.

Earth's resources can be used for energy.

Some of Earth's resources are limited.

Matter exists in different states, each of which has different properties

All objects and substances in the natural world are composed of matter.

Heat, electrical energy, light, sound and magnetic energy are forms of energy.

Offspring resembles their parents and each other.

Individuals of the same kind differ in their traits and sometimes the differences give individuals an advantage in surviving and

Plants and animals have life cycles that are part of their adaptations for survival in their natural environments

Benthic Bugs and Bioassessment

X

X

X

X

Enviroscape

X

X

Freddie the Fish

X

X

Ground Water

X

Incredible Journey

X

X

X

X

X

Soil Sleuths

X

X

X

X

X

X

Streamulator

X

X

Watershed Watch

X

X

X

X

Web of Life

X

X

X

X

Ohio Revised Science Standards Content Statements - 4th Grade



**Lake County Soil & Water
Conservation District**

Program Title

Earth & Space Science

Physical Science

Life Science

Earth's surface has specific characteristics and landforms that can be identified.

The surface of the Earth changes due to weathering.

The surface of the Earth changes due to erosion and decomposition.

Energy can be transformed from one form to another or can be transferred from one location to another.

Changes in an organism's environment are sometimes beneficial to its survival and sometimes harmful.

Benthic Bugs and Bioassessment

X

Enviroscape

X

X

X

Freddie the Fish

X

Ground Water

X

Incredible Journey

X

Soil Sleuths

X

X

X

X

Streamulator

X

X

X

X

Watershed Watch

X

X

X

Web of Life

X

X

Ohio Revised Science Standards Content Statements - 5th Grade



**Lake County Soil & Water
Conservation District**

Program Title

Physical Science

The amount of change in movement of an object is based on the mass* of the object and the amount of force exerted.

Life Science

Organisms perform a variety of roles in an ecosystem.

All of the processes that take place within organisms require energy.

Benthic Bugs and Bioassessment

X

Enviroscape

Freddie the Fish

Ground Water

Incredible Journey

Soil Sleuths

X

X

Streamulator

X

X

Watershed Watch

X

Web of Life

X

X

Ohio Revised Science Standards Content Statements - 6th Grade



Program Title

Earth & Space Science

Minerals have specific quantifiable properties.

Igneous, metamorphic and sedimentary rocks have unique characteristics that can be used for identification and/or

Igneous, metamorphic and sedimentary rocks form in different ways.

Soil is unconsolidated material that contains nutrient matter and weathered rock.

Rocks, minerals and soils have common and practical uses.

Physical Science

All matter is made up of small particles called atoms.

There are 2 categories of energy:
kinetic and potential.

An object's motion can be described by its speed and the direction in which it is moving.

Living systems at all levels of organization demonstrate the complementary nature of structure and function.

Benthic Bugs and Bioassessment

X

Enviroscope

	X
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Freddie the Fish

Ground Water

	X
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X

	X
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	X
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Incredible Journey

Soil Sleuths

	X
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	X
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X

	X
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	X
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X

Streamulator

Watershed Watch

X

X

Web of Life

X

Ohio Revised Science Standards Content Statements - 7th Grade



**Lake County Soil & Water
Conservation District**

Program Title

Earth & Space Science

The hydrologic cycle illustrates the changing states of water as it moves through the lithosphere, biosphere, hydrosphere and atmosphere.

Life Sciences

Energy can be transferred through a variety of ways.

Physical Sciences

In any particular biome, the number, growth and survival of organisms and populations depend on biotic and abiotic factors.

Benthic Bugs and Bioassessment

X

Enviroscape

X

Freddie the Fish

X

X

Ground Water

X

Incredible Journey

X

Soil Sleuths

X

Streamulator

X

Watershed Watch

X

X

Web of Life

X

Ohio Revised Science Standards Content Statements - 8th Grade



Program Title

Earth & Space Science

Earth's crust consists of major and minor tectonic plates that move relative to each other.

A combination of constructive and destructive processes formed the Earth's surface.

Evidence of the dynamic changes of Earth's surface through time is found in the geologic record.

Physical Science

Forces between objects act when the objects are in direct contact or when they are not touching.

There are different types of potential energy.

Life Science

Diversity of species occurs through gradual processes over many generations. Fossil records provide evidence that changes

Reproduction is necessary for the continuation of every species.

The characteristics of an organism are a result of inherited traits received from parents.

Benthic Bugs and Bioassessment

Enviroscape

Freddie the Fish

Ground Water

Incredible Journey

Soil Sleuths

Streamulator

Watershed Watch

Web of Life