All Ohio KIDS' SCIENCE CAMP

June 3 -June 6, 2019

Camp "Flying High" !

NW Ohio Soil & Water Conservation Districts & OSU Extension sponsor Kids' Science Camp each year at 4-H Camp Palmer in Fayette, OH (Fulton County). Campers ages 9-14 years old experience nature while having fun and learning about the environment. The camp includes campfires, teambuilding, a high ropes course, swimming, hiking, crafts and lots of hands-on, educational activities. **This year's theme focuses the science of flight!**

Lucas SWCD offers **discounts to campers from Lucas County**. For more information and an application, please call **419-893-1966**.

NCF Envirothon

Area 1:
April 24, 2019
Miller Conservation Farm
Tiffin, OH

State :
June 9-11, 2019
Franciscan University

North American:
Raleigh, North Carolina
July 28-August 2, 2019

Teams of five high school students compete in five environmental topics: Soils, Aquatics, Forestry, Wildlife, & Current Eco-Theme.

Two teams from each school are eligible to compete in the SWCD Area event. The top four Area teams will attend the State and the State winner goes to the International event.

Lucas SWCD pays entry fees for Lucas County schools! Call for more info: **419-893-1966.**

Teacher Workshops & E-letter

Teacher workshops offered throughout the year for curricula below and more! Join the Lucas SWCD **Educators' E-Letter** list-serve to keep informed on workshops, grants, free resources and more by calling **419-893-1966** or sending an e-mail request to:

jkochensparger@co.lucas.oh.us

National Curricula Offered:

Just some of the offerings:
Project Learning Tree (PreK - 12th)
Project WILD/Flying WILD (PreK - 8th)
Science and Civics (9th - 12th)
Project WET (K through 12th)
Healthy Water/Healthy People (6th - 12th)
Leopold Education Project (5th - 12th)
Project Food, Land & People (PreK-12th)
Lessons in Economics (4th - 6th)
WWF – Biodiversity Basics/Smart Consumers
Project Seasons (PreK - 6th)
Growing Up WILD/PLT (Pre-K)
Celebrating the Harvest (Primary grades)
Windows on Waste (Primary - Middle)
Habitats for Learning - Land Labs

Education Programs

The Lucas SWCD Educational Specialist will come to your classroom or group meeting to provide education programs **free of charge** to all Lucas County schools & community groups! Designed to meet State Content Standards.

Loan Materials:

We have an extensive loan library of videos, CD/DVDs, curricula, and reference books. The Enviroscape Model, Groundwater Model, Stream Table, Septic System Model, and library materials may be borrowed at no charge. The Water Test Kit is available for loan at $5/group. Stop by to explore!

Lucas SWCD Mission Statement

To provide leadership in sustainability and the conservation of our soil, water, and other natural resources through education, information, and technical assistance.

Woodward HS students conduct water tests.

For more information on programs, or to schedule a classroom visit or field trip, contact:

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Maumee, OH 43537

419-893-1966
jkochensparger@co.lucas.oh.us
http://www.LucasSWCD.org

The Lucas SWCD prohibits discrimination in its programs on the basis of race, color, national origin, religion, sex, age, political beliefs, sexual orientation, and marital or familial status.

LUCAS SOIL & WATER CONSERVATION DISTRICT

Environmental & Agricultural Education Programs

for students and community groups in Lucas County

The Lucas Soil and Water Conservation District is supported primarily by state, county, municipality, and township funds.

Programs for in the Classroom and the Field

(adaptable for all ages unless otherwise noted - other topics by request)

Everyone Lives Downstream
The *Enviroscape* model helps students learn about watersheds, how human impact causes runoff pollution & erosion, and solution ideas.

Garden Glory at Blue Creek
Students get hands-on opportunities to plant, care for, and/or harvest garden crops! The Children's Garden features plants from around the world, a beehive, a greenhouse, an orchard and composting. Learn plant uses, ethno-botany, plant parts and soils. Discover peanuts, cotton, biofuels & more…

Students explore the International Children's Garden.

Waste Not, Want Not
Students will investigate where drinking water comes from and how it is treated before being returned to the watershed with this 3-D model.

Stream Survivors
Discover aquatic insects and other macro-invertebrates with a mock or real stream and real samples. Students will predict water quality based on species/populations found.

Trees Are Terrific
Students will explore the parts of a tree, the process of photosynthesis, and everyday products we get from trees, including chewing gum & jet fuel. *Free trees for students in April!*

The Incredible Journey
Students will explore the movement of water through the Earth's water cycle with several interactive games and model demonstrations.

Go With the Flow! (middle/high school)
A 3-D model shows groundwater, how it works in the water cycle, what happens with a well and septic system, the water table & more.

Water Quality Testing (7th grade +)
Utilizing analysis kits and collection strategies, students will assess the quality of water samples. Tests include pH, turbidity, nitrate, phosphate, chloride, and dissolved oxygen.

Farms = Food and So Much More
Using common food items, students will learn what local cash crops end up at their dinner table, clothes, cars, and more. While examining crop and product samples, discover the connections between food, land, and people.

Don't Treat Soil Like Dirt!
Students will learn about rocks & soil formation, soil layers and soil biology. They may gather and analyze soil samples, investigate soil ingredients with "candy soil" and make a profile.

Students learn to identify soils during a BCCA field trip.

Edible Insects
Discover the secret lives of these important and under-rated animals. Explore how people around the world use bugs, including you!

Plant Power
Explore seed germination, plant adaptations, and how humans use plants. Investigate plant parts and play "Grocery Bag Botany".

A Worm's World
Worms make the world go 'round! Students will learn about worms, worm anatomy, vermi-composting, and make their own mini-worm habitat complete with live worms.

Rockin' Rocks
Students will examine real Ohio rock and mineral samples and learn how they are used in everyday products like computers and toothpaste. Candy Rock classification activity.

Hibernation Station
Students will examine real animal hides and other preserved specimens to compare nature's survival strategies. Story & craft, too!

Shades of Green
Simple ways anyone can help conserve the Earth's resources, alternative energy, & more.

Pre-School Programs

The Small, Small Pond
Enjoy a reading of the award-winning colorful book, search for the froggie, play a game of animal "Simon Says", and do a sorting activity of natural and man-made items.

Fun on the Farm
Farmer Fran will help children learn about plants and animals on the farm with a story, play a game of barnyard "Simon Says", and do a color-matching game with veggies.

Hibernation Station - *(see above)*

Trees Are Terrific - *(see above)*

Field Trip Programs

Located near Whitehouse, Ohio, the Blue Creek Conservation Area (BCCA) is a 500+ acre working farm and conservation/land lab area. Students will explore environmental and agricultural processes occurring in the soils, gardens, and fields with the Lucas SWCD; savannahs, wetlands, and prairies with the Metroparks of the Toledo Area; & a live animal presentation from Nature's Nursery Wildlife Rehabilitation Center.

School and community groups may schedule field trips during April -October (or weather permitting). Field trips typically last from10:00AM—1:00PM, but may be adjusted to your needs and topics customized. BCCA is open to scheduled groups only.

Fulton Elementary Kindergarteners enjoying the sights and sounds of nature at BCCA.

Field Trip Costs: & Financial Assistance:

A day's program is only $4.00 per student (funds go to Nature's Nursery & Metroparks) Teachers and parents are free! Some groups may be eligible for assistance with field trip transportation costs. Please call Lucas SWCD for further information. **419-893-1966**

BCCA is a partnership of the Metroparks of the Toledo Area, Lucas Soil & Water Conservation District, & Nature's Nursery