

GRADES 9-12 PROGRAMS

Energy & Ecology of Agriculture

October 18 through April 1

3 to 4 hours, including time for lunch

Students compare the ecology of Native American agriculture to modern agriculture. They discuss how the use of fossil fuels has changed the face of agriculture and investigate sustainable practices such as integrated pest management, alternative fuels, composting, conservation tillage and biodiversity of farm animals. Great for ecology students. Program also available for grades 7 & 8.

To register for this program, call 440-256-2122.



at Farmpark

Biodiversity on the Farm

October 18 through April 1

3.5 hours, including time for lunch

Middle and high school students explore the genetic diversity of domestic plants and animals. They work in cooperative groups to identify animals and plants using a simple key. Then they investigate how specific plant and animal traits are passed on through crossbreeding and bioengineering. Program also available for grades 7 & 8.

To register for this program, call 440-256-2122.



at Farmpark

Alien Invaders

(See page 13 for program description)

Lewis & Clark Exploring

(See page 14 for program description)

Fishing for Science

November through May (\$10 per participant)

3 hours

This is a study of stream biology, geology, hydrology and ecology from above and below the water's surface from a Steelhead Trout's perspective. In a classroom setting, we will explore where trout come from, what they eat, and where they might journey once they come up stream. In the field, we will put these theories to work and attempt to catch these fish on some of the most pristine waters in northern Ohio. Program also available for grades 6-8.

To register for this program, call 440-256-2126.



at Veterans Park, Hidden Lake Lodge or Farmpark

Snowbelt Climatology

January and February

2 hours

Being located in the unique setting of Northeastern Ohio's snowbelt, we will study the science of snow and the weather patterns that produce it in such abundance in this area. Once we learn what makes it happen, we will explore the woods on snowshoes and study how the snow has fallen. We will measure temperatures, determine wind directions and examine snow layers. Program also available for grades 6-8. **To register for this program, call 440-256-2126.**



at any park or your site

Environmental Science/ AP Environmental Science Classes

Teachers of Environmental Science or AP Environmental Science classes can arrange for individually designed field experiences. Field studies of various ecosystems, river systems and Lake Erie shoreline can be arranged. Costs and locations to be determined by requested program. Let us help you teach about Lake County's natural ecosystems. Please call 440-354-0894 for more information.



SCIENCE



MATH



SOCIAL STUDIES



PHYSICAL EDUCATION



FARM ANIMAL



OHIO WILDLIFE



OUTREACH