



Cope Environmental Center
4910 Shoemaker Rd.
Centerville, IN 47330
765-855-3188
www.CopeEnvironmental.org

Educational Program Partners

First Bank Richmond
Reid Hospital & Health Care Services
Earlham College
Kicks 96
Meijer
Stagg Safety Equipment
Richmond Power and Light
Warm Glow Candle Company
West End Bank
The Stamm Koechlein Family Foundation
Wayne County Foundation
Richmond Baking Company
AutoCar
Whitewater Valley REMC Operation Round Up
Wayne County Prosecutor's Office
Tri Kappa
LWC Inc.

Thank you for supporting environmental education!



Printed on 100% post-consumer
paper product
(process chlorine-free)
& with soy-based ink.

2011-2012 Teacher Guide

Contact Aubrey to
schedule your
program or field trip
TODAY!

4910 Shoemaker Rd
Centerville, IN

Extra! Extra! Read all about it!

Environmental Education...

The Path to a Well-Rounded Student!

- ✓ Studies nationwide show that schools using outdoor classrooms and other forms of experiential education achieve significant student gains in social studies, science, language arts, and math.
- ✓ Children in outdoor education settings show increases in self-esteem, problem solving, and motivation to learn.
- ✓ Time in natural settings significantly reduces symptoms of attention-deficit (hyperactivity) disorder in children as young as age five.

Statistics from an article by Richard Louv
Published in the March/April 2007 issue of *Orion* magazine

www.CopeEnvironmental.org
a.blue@copeenvironmental.org



Table of Contents

General Program Information.....3

Field Trip Assistance.....4

Planning For Your Visit.....5

Scheduling Your Visit.....6

Maple Syrup Programs.....7

Pre-School Programs.....8

Kindergarten Programs.....9

First Grade Programs.....10

Second Grade Programs.....11

Third Grade Programs.....12

Fourth Grade Programs.....13

Fifth Grade Programs.....14

Sixth Grade Programs.....16

About Cope Environmental Center.....18

Classroom Memberships.....19



Classroom Membership Information

Classroom memberships were created to encourage repeated classroom visits to CEC. Multiple visits increase information retention and allow for a better understanding of our natural world. The classroom membership has many benefits to ensure a great year of experiences for your classroom!

Benefits include:

- 2 field trip visits to Cope Environmental Center (Maple Syrup trips are an additional \$1.00 per student).
- A copy of our quarterly *Evergreen* newsletter sent to you via e-mail.
- A \$10 discount on Outreach Programs (one per day of scheduled programs)

Costs:

- Pre-K through 4th grade.....\$6.00 per student (minimum \$90 per classroom)
- 5th and 6th grade.....\$8.50 per student (minimum \$127.50 per classroom)



Please complete the online membership form:

www.CopeEnvironmental.org/classroom_memberships.htm

MORE SAVINGS! If you are a classroom member and schedule **3 programs** throughout the school year, we will take \$ 0.50 off per student for the third program!

Important:

We expect your visit to CEC to be a safe and educational experience. CEC staff is trained in First Aid/CPR and is prepared for any unforeseen circumstances. If you would like more information about our training or how we can meet your special needs, please contact Aubrey.

Pictures taken of school programs on the CEC property may be used in publications such as the Evergreen Newsletter, the Pal-Item newspaper, CopeEnvironmental.org or related materials.



About Cope Environmental Center

Making Sense of Sustainability

Brief History of Cope Environmental Center

In 1948, Jim and Helen Cope purchased an 1830's farmhouse on 29 acres in Centerville, Indiana. Jim was a biology, agriculture, and ornithology professor at Earlham, and Helen was a biology teacher at Centerville High School.

On this land, they raised five children and, over the years, transformed the farmland into a collage of spectacular natural areas. Jim's love for conifer trees initiated the planting of a Christmas tree farm and later, a collection of over 115 different species of conifer trees. Helen's passion for simple living encouraged large organic gardens, fruit trees, and other means to live off the land with her family. This passion for the land and sustainable living is the foundation on which CEC has been built.

In 1992 Jim, Helen and their friend Francis Parks formed the Parks Foundation and Cope Environmental Center. Their passion for the environment is carried out today by Cope Environmental Center programs and demonstrations. CEC is recognized as a 501 (c)(3) public charity.

Facilities

102 acres of land including...

- Over 3 miles of hiking trails
- 3 wetlands
- 2 ponds
- 13 acres of prairie
- Hardwood forests
- Grasslands
- Over 100 species of conifer trees
- Education Center
- Administration Building
- Sustainable Living Demonstration House featuring an alternative energy system and many other sustainable & energy efficient ideas for your home
- Sap House constructed of reused and recycled materials
- Maintenance building constructed of insulated concrete forms and other green building materials



Jim Cope



Helen Cope



Francis Parks



General Program Information

Special Field Trips

Special field trips, such as multiple visit wetland or habitat studies, a special unit, and all-day programs are available. Program ideas include, but are not limited to: Surviving the Wild,

Eco-Challenges, and Habitat Studies. Full-day field trips and multiple visits require at least one month advance notice. Fees are dependant upon the content and materials required for the program. Please call 765-855-3188 for details.

Nature Appreciation Hikes

Interested in just getting your students outside to appreciate the environment? General nature hikes can last from 1-2 hours depending on your needs. Fee is \$3.50 per student. Hikes may also be focused on specific topics such as wildflower and tree identification or bird behavior and identification.

Self-Guided Field Trips

We welcome teachers who are comfortable taking their class on a hike with self-led activities. All self-led trips must be scheduled 2 weeks in advance and will be worked into the program schedule when possible. There is **no** fee for Self-Guided Field Trips.

Outreach Programs

Bring CEC to your classroom! The CEC program staff is available to visit your school to conduct quality education programs on a variety of topics.

- 45-60 minute program is \$55.00.
- Each additional program during the same visit is \$45.00.
- Maximum of 40 students per program.



Adaptable for all ages:*

- | | | |
|-------------------|-------------------------|--------|
| ? Bats | ? Nocturnal Animals | ? Owls |
| ? Let's Adapt! | ? Reptiles & Amphibians | ? Ants |
| ? Mammal Showcase | ? Recycling Adventures | ? Bugs |
| | ? Snakes | |

For programs outside of Wayne County, a mileage fee of \$ 0.29 per mile will be added. This is a reduced price thanks to Wayne County Foundation!

*This is a sampling of available topics. Programs can be developed to fit your needs.



Field Trip Assistance

Funds and Fees:

Cope Environmental Center is a 501(c)(3) public not-for-profit organization supported by private donations, memberships, program fees, and grants. CEC works to keep program fees at a rate that does not prohibit schools from taking advantage of our field trips while also maintaining high quality programming.

Get on the Bus Fund:

Does your school...

have a **population of 50% or more participating in the free or reduced lunch program?**

Apply for this mini-grant to help offset transportation fees! CEC has a limited amount of funding each year to help offset a portion or all of your transportation fees. We will pay up to \$50 per mini-grant. This is a “first come, first served” fund. Only 15 applications are granted each semester. Each bus counts as one GOTB grant. One bus per group.



Note: Classrooms that receive Get on the Bus Funds are still responsible for paying the program fee and any busing expenses above \$50.

Teachers New to CEC Fund

CEC is offering scholarships for **any teacher who has never been to Cope Environmental Center!**

We have a fund that will pay 1/2 of your classroom membership fee or 1/2 of one classroom field trip fee to CEC.

Limited scholarships are available. Please contact Aubrey at 765-855-3188 or a.blue@copeenvironmental.org.

Fund provided by donations made at our 2010 CEC Gala. Thank you!



Sixth Grade

Pond/Wetland Investigation (FALL/SPRING)

Length: 3-4 hours

Program Fee:

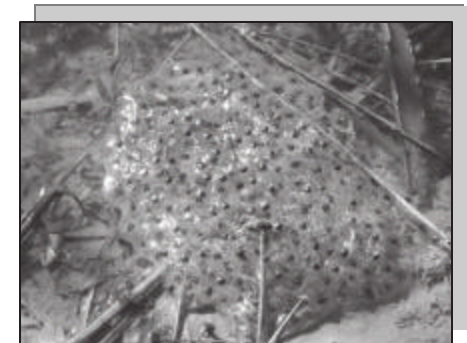
- \$ 7.00 Per student (minimum program fee: **\$ 105.00** per group)
- One adult per 8 students admitted **free**
- Each additional adult: \$ 4.00
- Maximum of 40 students and 5 adults able to monitor and assist 10 students at a pond with various tasks.

Indiana Academic Standards:

Science: 6.1.2, 6.1.3, 6.2.8, 6.3.8, 6.3.13, 6.3.15, 6.3.16, 6.4.8, 6.4.9

New Standards: 6.3.1, 6.3.2, 6.3.3, 6.3.5

Program Description: Your students will be divided into smaller groups to investigate one of the ponds or wetlands at CEC. We will complete pH and dissolved oxygen tests on the water and collect plants and critters to identify and classify. Once all the data is collected, each group will use their findings to determine the quality of their wetland or pond. Each group will report their findings to the other groups and compare and contrast results. Student are required to bring extra shoes or water boots and wear appropriate clothing for wading into the shallow areas of the wetland or pond. A change of clothing is also a good idea...just in case!





Sixth Grade

Biodiversity Bash! (FALL/SPRING)

Length: 3 hours

Program Fee:

- \$ 6.00 per student (minimum program fee: **\$ 90.00** per group)
- One adult per 8 students admitted **free**
- Each additional adult: \$ 4.00

Indiana State Academic Standards:

Science: 6.3.16, 6.4.1, 6.4.5, 6.4.6, 6.4.7, 6.4.8, 6.4.9, 6.4.10

New Standards: 6.3.1, 6.3.2, 6.3.3, 6.3.5, 6.3.6

Program Description: Explore the relationships and interdependence between various species and habitats at Cope Environmental Center. While hiking, we will discuss competition for resources between various plants and animals by exploring their habitats. Students will look for plants and animals to join their “Biodiversity Bash”.

They will utilize a specified area in 3 different habitats to search for as many living organisms as possible. The more they find, the more they add to their “guest list”. Using microscopes, we will examine samples from each of the different habitats. We will inspect plant and animal cells for their differences and similarities and discuss the flow of energy among producers and consumers. The group will then determine which habitat is the most diverse. This will lead us to explore the web of life and how humans fit into the web.



Planning For Your Visit or Outreach Program

Field Trips

Field trips are a vital part of every child’s learning experience. CEC field trips allow children to experience nature and the environment first-hand. Repeated outdoor experiences are vital to children as they grow and learn. All field trips are aligned to Indiana & Ohio State Standards. Field trips include games, hikes, and activities to provide a positive outdoor experience for all students.

Available Daily Times: * We will work with you if these times are not suitable.

? 9am-11am

? 12pm-2pm

Preparing for Your Field Trip:

- ? Please provide name tags for students.
- ? Please make sure students are dressed for the weather and for hiking/being outside.

Teachers/Chaperones:

- ? Teachers/chaperones are responsible for their students at ALL times.
- ? **NO USE OF CELL PHONES OR OTHER ELECTONIC DEVICES.**
- ? **NO SMOKING ANYWHERE ON PROPERTY.**

Arriving Late/Cancellations:

- ? Call **immediately** if you are running late. We will do everything possible to provide a complete program, but it may be shortened to end at scheduled time.
- ? Call **immediately** if you are unable to attend program on date the scheduled.
- ? **Groups that do not show up will be charged the full program fee.**

Rescheduling/Weather Concerns:

Rescheduling may be necessary due to inclement weather. If you are concerned about the weather, please call as soon as possible to discuss the situation. Students are not allowed outdoors when thunder or lightning is present. Cope Environmental Center strives to provide quality educational programs.

Evaluation Form:

In order to improve, we need to hear feed back from teachers like you! After your field trip (or Outreach Program), please fill out our evaluation form at the following address:

www.copeenvironmental.org/evaluation.htm



Scheduling Your Visit

This section will help you prepare for your program.
To schedule a program with CEC, call Aubrey Blue at 765-855-3188 and have the following information ready:

1. Teacher(s) name(s) & grade level
2. School name, address, phone, fax & email
3. Alternate phone number
4. Requested program or topic
5. Program date & time options
6. Number of students & adults
7. Any students with special needs?
8. Are you planning on eating a snack or lunch at CEC?
9. Are you a Classroom Member (see p. 19)?
10. Are you a teacher new to Cope Environmental Center (see p. 4)?
11. Are you applying to the Get on the Bus Fund (see p. 4)?

Your field trip date is not confirmed until you have filled out our online confirmation form. Please visit:

www.copeenvironmental.org/Confirmation_Form.htm

Contact Cope Environmental Center:

Aubrey Blue, Program Director
Phone 765-855-3188; Fax 765-855-1160
a.blue@copeenvironmental.org



Picnic Areas and Availability

If you would like for your class to enjoy lunch at one of our picnic areas, please indicate this when you schedule your program. **We do ask that you provide your own trash bags to take your lunch waste back to your school.** We do not have the capacity to dispose of the trash generated by the many school groups that visit our property on a weekly basis. **We will provide recycling receptacles** and give instructions for their use when your students begin lunch. This is a great time to encourage and challenge your students to generate as little waste as possible or no waste at all. It is an eye-opening activity to inventory and weigh the waste from your lunch back in the classroom.



Fifth Grade

Survival of the Fittest (FALL/SPRING)

Length: 2.5-3 hours

Program Fee:

- \$ 3.50 per student (minimum program fee: **\$ 52.50** per group)
- One adult per 8 students admitted **free**
- Each additional adult: \$ 3.50

Indiana State Academic Standards:

Science: 5.1.6, 5.2.7, 5.4.4, 5.4.5, 5.4.7

New Standards: 5.3.1, 5.3.2

Program Description: While hiking the many habitats at CEC, students will venture through forests, grasslands, prairies, and around ponds and wetlands to explore what plants and animals live in each area and why.

Students will create study plots at the various habitats to explore the plant life that is most dominant in their plot. The “Top Three Survivors” of each habitat will be discussed to learn how plants are able to survive in some areas and not others.

Students will explore how plants and animals may change an area and how those changes affect other inhabitants. Strategies of plants and animals will be discussed and demonstrated to understand how competition works in the wild and which plants and animals will come out on top!



“Our experience was wonderful. Our leader was very patient with the children and answered all their questions. She gave us good information that the children were attentive to. She was good at keeping their attention. The children said it was the best field trip they had ever been on.”

~Teacher from
Faith Christian School, Fall 2010



Fifth Grade

Pond/Wetland Investigation (FALL/SPRING)

Length: 3-4 hours

Program Fee:

- \$ 7.00 per student (minimum program fee: **\$105.00** per group)
- One adult per 8 students admitted **free**
- Each additional adult: \$ 4.00
- Maximum of 40 students and 5 adults able to monitor and assist 10 students at a pond with various tasks.

Indiana State Academic Standards:

Science: 5.1.1, 5.1.2, 5.1.4, 5.1.6, 5.2.7, 5.2.8, 5.4.4, 5.4.5, 5.4.7, 5.5.8, 5.5.10

New Standards: 5.3.1, 5.3.2

Program Description: Your students + critters + water + wetland soil = a great way to learn about our watershed! Your students will be divided into smaller groups to investigate one of the ponds or wetlands at CEC. We will complete pH and dissolved oxygen tests on the water and collect plants and critters to identify and classify. Once all the data has been collected, each group will use their findings to determine the quality of their wetland or pond. Each group will report their findings to the other groups and compare and contrast results. Student are encouraged to bring extra shoes or water boots and wear appropriate clothing for wading into the shallow areas of the wetland or pond. A change of clothing is also a good idea and re-useable water bottles...just in case! Students will not be allowed to go in above their knees.



Maple Syrup Programs

Length:

- 2 hours
- Program runs February 14th through March 9th, 2012

Program Fee:

- \$ 5.00 per student (minimum program fee: \$ 75.00 per group)
- One adult per 8 students admitted **free**
- Each additional adult: \$ 4.00

Indiana State Academic Standards:

First Grade Science: 1.1.1, 1.1.2, 1.1.3, 1.3.1, 1.3.3, 1.4.2, 1.4.4

Social Science: 1.1.1, 1.1.6, 1.3.5, 1.3.6, 1.3.8

New Standards: 1.1.1, 1.2.3, 1.1.3, 1.3.3, 1.3.5

Second Grade Science: 2.3.1, 2.3.6, 2.4.3

Social Science: 2.1.1

New Standards: 2.1.1, 2.1.3, 2.4.2

Third Grade Science: 3.3.5

Social Science: 3.1.1

New Standards: 3.2.5, 3.2.6, 3.3.1, 3.4.1

Fourth Grade Science: 4.1.5, 4.1.8, 4.2.1 4.4.4

Social Science: 4.1.2

New Standards: 4.1.1, 4.2.5, 4.2.6

Fifth Grade Science: 5.3.4, 5.3.5, 5.3.8, 5.3.9

New Standards: 5.1.4

Sixth Grade Science: 6.4.1

New Standards: 6.3.4, 6.3.5



Program Description:

Bring your students to CEC for an early springtime treat! Students will learn the origins of pure maple syrup, the inner workings of trees, how seasonal cycles affect them, and why we depend on trees for more than just a sugary treat to put on our breakfast meals.

We will start indoors and look inside a tree to begin to uncover the mystery of maple syrup-making. Then we journey outside to meet a Native American and an Early Settler to learn the history of maple syrup. Students will also have the chance to see a tree being tapped and visit the CEC Sap House for a sample.



Pre-School

Seasonal Nature Hike (SPRING or FALL)

Length: 1—1.5 hours

Program Fee:

- \$ 3.50 per student (minimum program fee: **\$ 52.50** per group)
- One adult per 8 students admitted **free**
- Each additional adult: \$ 3.50

Program Description: These hikes will have students using all of their senses to explore nature and be on the lookout for signs of animals and seasonal changes. If time permits, students will play a game to reinforce what they learned on the trail.

Nature Hike with Apple Cider (FALL)

Length: 1.5 hours

Program Fee:

- \$ 4.00 per student (minimum program fee: **\$ 60.00** per group)
- One adult per 8 students admitted **free**
- Each additional adult: \$ 4.00.



Program Description: This program includes the hike described above with the addition of apple cider-making. Students will see how fruit from a tree not only helps the tree spread seeds, but also provides humans with a tasty treat! For health reasons, all cider to be sampled by students has been flashed pasteurized.

Preschool Thematic Programs at Your Site

- | | |
|--|-----------------------|
| • Frogs & Toads | • Butterflies & Moths |
| • Slithering Snakes | • Outrageous Owls |
| • Day & Night | • Buzzing Bumble Bees |
| • Warm-blooded vs. Cold-blooded Critters | |

More available upon request!

See page 3 under “Outreach Programs” for more information.

“A visit to Cope Environmental Center can be a wonderful time for children and adults. The program for my preschoolers was well planned and gives young children a hands-on experience in nature. The children are encouraged to use their 5 senses...to explore their surroundings.”

~ Teacher from “Here We Grow” Golay Preschool, 2011



Fourth Grade

The Fabulous Cycles of Plants & Critters, Seasons & Water! (FALL/SPRING)

Length: 2 hours

Program Fee:

- \$ 4.00 per student-FALL (minimum program fee: **\$ 60.00** per group)
- \$ 3.50 per student-SPRING (minimum program fee: **\$ 52.50** per group)
- One adult per 8 students admitted **free**
- Each additional adult: \$ 3.50/4.00 (SPRING/FALL PRICE)

Indiana State Academic Standards:

Science: 4.3.3, 4.3.7, 4.3.8, 4.4.2, 4.4.3, 4.4.4, 4.4.5, 4.4.6

New Standards: 4.2.1, 4.2.2

Program Description: Many things in our world are a part of a cycle! We will explore natural cycles and how they tie together. We will take an “Incredible Journey” through the water cycle, hike to observe the cycles of plants, and explore the magnificent world of a rotting log. Students will discover how the sun’s energy travels through the food chain to fuel many things on our planet. Fall field trips include apple cider-making.

Birds of a Feather...and Other Fascinating Animal Adaptations (SPRING)

Length: 2 hours

Program Fee:

- \$ 3.50 per student (minimum program fee **\$ 52.50** per group)
- One adult per 8 students admitted **free**
- Each additional adult: \$ 3.50 .

Indiana State Academic Standards:

Science: 4.4.2, 4.4.3, 4.4.4, 4.4.5, 4.4.6

New Standards: 4.3.1, 4.3.2, 4.3.4

Program Description: Why are birds’ bones hollow? Why do birds have different types of beaks? Why do some animals nest high in trees? Why is the skin on amphibians moist and “slimy”. These are all ways that animals have adapted to better survive in their environments. Students will use a variety of tools to learn how different bird beaks work and are adapted to the varied diets of those birds. Students will also become birds on a migration path to learn the obstacles that accompany the journey north or south each year for our migrating friends.





Third Grade

Plants Rule the Land! (FALL/SPRING)

Length: 2 hours

Program Fee:

- \$ 4.00 per student-FALL (minimum fee: **\$ 60.00** per group)
- \$ 3.50 per student-SPRING (minimum program fee: **\$ 52.50** per group)
- One adult per 8 students admitted **free**
- Each additional adult: \$ 4.00 (SRPING/FALL PRICE)

Indiana State Academic Standards:

Science: 3.1.2, 3.1.3, 3.2.4, 3.2.7, 3.3.5, 3.4.1, 3.4.2, 3.4.3, 3.4.4

New Standards: 3.3.1



Program Description: Most animals' food, including humans', can be traced back to plants, and most plants trace their ability to make food back to the sun. As a group, we will identify a few specimens using field guides and other tools. Your students will become mini-botanists and search the property for a variety of plants. Students will learn to classify plants into groups (dicots and monocots), and find the close human and plant connection by making apple cider in the fall (other activities will be substituted in the spring).

“Classified Info”- Plants & Critters (FALL/SPRING)

Length: 2 hours

Program Fee:

- \$ 4.00 per student-FALL (minimum program fee: **\$ 60.00** per group)
- \$ 3.50 per student-SPRING (minimum program fee: **\$ 52.50** per group)
- One adult per 8 students admitted **free**
- Each additional adult: \$ 3.50/4.00 (SPRING/FALL PRICE)

Indiana State Academic Standards:

Science: 3.4.1, 3.4.2, 3.4.3, 3.4.4, 3.4.6, 3.4.8

New Standards: 3.2.5, 3.2.6

Program Description: Everything on the planet can be sorted into a category! While hiking, students will learn to use a simple dichotomous key to identify trees and discuss how almost all food can be traced back to plants and then to the sun! Activities will demonstrate how pollution can affect animals and humans and will explore the need for clean food, water, and air. Apple cider-making serves as one of the fall activities.



Kindergarten

Science Explorers (FALL)

Length: 1.5- 2 hours

Program Fee:

- \$ 4.00 per student (minimum program fee: **\$ 60.00** per group)
- One adult per 8 students admitted **free**
- Each additional adult: \$ 4.00

Indiana State Academic Standards:

Science: K.1.1, K.1.2, K.2.1, K.3.2, K.4.1, K.4.2, K.6.1

Social Science: K.3.4

New Standards: K.1.1, K.3.1, K.3.2, K.3.3

Program Description: Visit CEC to experience the science of nature! This field trip encourages students to ask questions, use their senses to explore nature, and discover a connection between plants and animals. Students will conduct simple science experiments on the trail, and collect leaves for sorting and charting. They will also make apple cider using a cider press.

Nature's Treasure Hunt (SPRING)

Length: 1.5-2 hours

Programs Fee:

- \$ 3.50 per student (minimum program fee: **\$ 52.50** per group)
- One adult per 8 students admitted **free**
- Each additional adult: \$ 3.50

Indiana State Academic Standards:

Science: K.1.1, K.1.2, K.2.1, K.3.2, K.4.1, K.4.2, K.6.1

Social Science: K.3.2, K.3.4

New Standards: K.1.1, K.3.2, K.3.3

Program Description: We will take your students on a treasure hunt! With the help of adults, students will use a trail map to hike while looking for treasure chests containing natural items. Students will use their senses to feel what is inside to determine the contents of each chest. There will also be activities to introduce different animals' habitats. This is a great way to get your students outside exploring for seasonal changes in nature.



First Grade

Nature Detectives (FALL)

Length: 2 hours

Program Fee:

- \$ 4.00 per student (minimum program fee: **\$ 60.00 per group**)
- One adult per 8 students admitted **free**
- Each additional adult: \$ 4.00

Indiana State Academic Standards:

Science: 1.1.2, 1.1.4, 1.2.5, 1.2.6, 1.3.3, 1.3.4, 1.3.5, 1.4.2, 1.4.3, 1.4.4

Social Science: 1.3.5, 1.3.8

New Standards: 1.3.1, 1.3.3, 1.3.4, 1.3.5

Program Description: Your students will use their senses to become “Nature Detectives” at CEC. They will hike through the woods, conduct various experiments, and watch demonstrations to discover how insects move, why some objects fall to the ground faster than others, how the sun warms the land, as well as where animals live and what they need to survive and prepare for winter. Students will make apple cider and use their new detective skills to decide if certain objects will grow when planted. Seasonal changes will be incorporated into this fun-filled learning experience!



Nature Observers: Animal Life Cycles (SPRING)

Length: 2 hours

Program Fee:

- \$ 3.50 per student (minimum program fee: **\$ 70.00 per group**)
- One adult per 8 students admitted **free**
- Each additional adult: \$ 3.50

Indiana State Academic Standards:

Science: 1.1.2, 1.1.3, 1.2.1, 1.2.6, 1.3.3, 1.4.2, 1.4.3, 1.4.4, 1.6.1

Social Science: 1.3.5

New Standards: 1.2.4, 1.3.1, 1.3.3, 1.3.4, 1.3.5

Program Description: Visit CEC as nature awakens! Students will hike the trail learning about several different animal life cycles that are taking place all around. We will look at tadpoles, various insect life cycles, discuss mammal life cycles, and more! Learn what it takes to survive in the wild long enough to start another life cycle. There will also be active games to get your students moving to experience what it is like to be an animal surviving and thriving in nature!



Second Grade

Plants & Animals: So Happy Together (FALL)

Length: 2 hours

Program Fee:

- \$ 4.00 per student (minimum program fee: **\$ 80.00 per group**)
- One adult per 8 students admitted **free**
- Each additional adult: \$ 4.00

Indiana State Academic Standards:

Science: 2.3.1, 2.3.4, 2.4.1, 2.4.2, 2.4.3, 2.4.4, 2.4.5

New Standards: 2.1.4, 2.2.5, 2.3.1

Program Description: Students will hike through various habitats to find which different areas animals call home. Animal pelts, skulls, and scat will be used to discover what animals eat and how they survive. Students will discuss what these animals do to prepare for winter or spring and will explore the relationship between plants and animals. We will make apple cider to trace our food back to plants and to demonstrate an animal/plant relationship. Activities will enable students to understand the different ways animals deal with seasonal changes.

Insectigations (SPRING)

Length: 2 hours

Program Fee:

- \$ 3.50 per student (minimum program fee: **\$ 70.00 per group**)
- One adult per 8 students admitted **free**
- Each additional adult: \$ 3.50.

Indiana State Academic Standards:

Science: 2.1.2, 2.2.2, 2.3.4, 2.4.1, 2.4.2, 2.4.3, 2.4.5, 2.5.3

New Standards: 2.1.4, 2.3.1, 2.4.1

Program Description: Visit CEC to find out how insects survive! Our hike will highlight a variety of insects and where they live. There will be some live insect specimens for students to observe and discuss each one’s special characteristics. Students will participate in the Insect Olympics and learn what it is like to be a pollinator.



“The Cope Environmental Center provides an experience that cannot be taught out of a text book. The kids learn more than they could ever know. Some of them have not ever walked in the woods let alone looked for tracks, saw bird eggs, learn about different trees, or fish. We are grateful to have such a wonderful place to take the students!”

~ Teacher from Vaile Elementary, 2011 1