

# School Programs 2010-2011

See Page 4  
for our hands-on  
maple syrup  
program!



Addressing Science Standards  
through Hands-on Outdoor Experiences

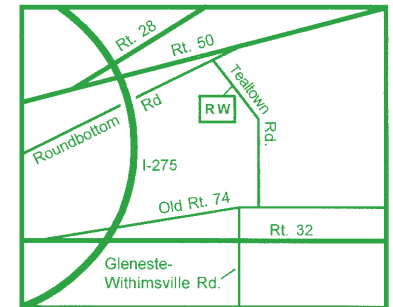


## SCHEDULE A VISIT TO ROWE WOODS

Plan a school trip to Cincinnati Nature Center's Rowe Woods. Our programs are designed to enhance your school's curriculum by providing hands-on, outdoor experiences. All lessons integrate Ohio state standards. Classes are divided into groups of approximately eight students per instructor for a high quality experience on the trails. CNC's group leaders are highly trained and experienced educators.

### Rowe Woods (RW) — A Natural Learning Lab

Rowe Woods consists of 1,025 acres of diverse habitats including forest, fields, ponds and streams and offers 16 miles of hiking trails. Here, students experience nature and develop an understanding of their place in the web of life. Lesson plans address a wide range of natural history and ecological topics for grades 1-8. Each season offers varied learning experiences such as animal tracking or studying pond life. Group size is limited to 65 students per day. School groups are scheduled Tuesday through Friday.



### How to Schedule a Visit

1. Print out and complete the School Program Application on pages 6-7. (Print page 4 of this PDF.) Mail application to address on form or fax it to 513/831-8052.
2. Submit 10 preferred visit dates in priority order and apply early. Applications are processed on a first-come, first-serve basis, so early applications are more likely to receive preferred dates.
3. After your application is processed, a School Group Information Packet will be mailed to you. You must complete and return the School Visit Confirmation Form to confirm your scheduled trip. If you wish to have the information packet mailed to your home address, please include that address and phone number on the application.
4. Please contact the Registration Coordinator at 513/965-4894 or [registrar@cincynature.org](mailto:registrar@cincynature.org) if you have any questions.

### Fees and Payment Information

Cost is \$5 per student. One adult chaperone or teacher is admitted free of charge for every eight students. Each additional adult is \$5. Fees are due on the day of your visit. If your school requires billing, please include a purchase order.

## SCHOOL PROGRAMS

Group size is limited to 65 students per day.

### Forest Ecology

Grades 4-8

Students examine a forest habitat for examples of succession and stratification while working on plant classification and tree keying skills. Plant life cycles are examined using wildflowers in spring and seed dispersal in fall. Students study the value of plants, particularly trees, from seed to decomposition.

OH Science Standards 3-5 LS Benchmark A, **Grade 4** Indicators 1, 2  
3-5 LS Benchmark B, **Grade 4** Indicators 2, 3

### Ohio Plants and Animals

Grades 1-5

Students observe examples of local plants and animals in various life stages. They explore the pond, field and forest and learn about the physical and behavioral adaptations of plants and animals in each.

OH Science Standards K-2 LS Benchmark B, **Grade 1** Indicators 3, 5  
K-2 LS Benchmark B, **Grade 2** Indicators 2, 3, 6, 7, 8  
3-5 LS Benchmark B, **Grade 3** Indicators 2, 3  
3-5 LS Benchmark B, **Grade 4** Indicators 2, 3

### What's for Lunch?

Grades 1-5

Students search for living examples of producers, consumers and decomposers in a variety of habitats while discussing food chains, population dynamics, adaptation and change. Skulls, teeth, living herbivores, carnivores and omnivores are examined. Students learn about nature's nutrient recycling and investigate the forest for evidence of decomposition. Changing factors in an ecosystem are considered, including invasive species, overpopulation and disease.

OH Science Standards 3-5 LS Benchmark B, **Grade 5** Indicators 1, 2, 3  
3-5 LS Benchmark C, **Grade 5** Indicators 4, 5, 6

(2)



## SCHOOL PROGRAMS

Group size is limited to 65 students per day.

### Under Our Feet: Experiential Earth Science

Grades 3-6

Students investigate the importance of soil and rock layers, how they vary and how they show geologic change. Through direct experience, students identify and describe soil components and properties, learn how soil supports life, observe how erosion and deposition affect land forms, and discover clues about the geologic past in fossils and rock layers.

OH Science Standards 3-5 ESS Benchmark B, **Grade 4** Indicator 10  
3-5 ESS Benchmark C, **Grade 3** Indicators 1, 2, 3, 5, 6  
3-5 ESS Benchmark C, **Grade 4** Indicator 4  
3-5 LS Benchmark C, **Grade 3** Indicators 4, 5  
3-5 LS Benchmark C, **Grade 4** Indicator 4

### Water, Water Everywhere: Aquatic Ecosystems\*

Grades 6-8

Students investigate the interactions within pond and stream ecosystems. They evaluate habitats using biotic and abiotic indicators. Students identify pond and stream organisms and their adaptations, see common aquatic food webs and compare succession in two ponds.

OH Science Standards 6-8 LS Benchmark C, **Grade 6** Indicator 8  
6-8 LS Benchmark C, **Grade 7** Indicators 3, 6  
6-8 LS Benchmark D, **Grade 7** Indicator 5  
6-8 SI Benchmark A, **Grade 7** Indicators 3, 4

\*Not available NOV 15-MAR 15

(3)



## SCHOOL PROGRAMS

Group size is limited to 65 students per day.

### Seasonal Program Grades 1-5

Join us for the half-day maple syrup program (10 a.m.-12 p.m.) or add a nature hike for a full day of programming (10 a.m.-2 p.m.). Available FEB 15-18, 22-25, MAR 1-4, 8-11.

### Nature's Sweet Treat: Maple Syrup (Morning)

Students experience the maple syrup-making process by taking a walk through the maple grove, tapping trees, setting spiles and collecting sap. Students observe the evaporation process, taste sap and syrup, hear maple syrup history and folklore and discuss photosynthesis.

OH Science Standards K-2 ST Benchmark A, Grade 2 Indicators 1, 2  
3-5 ESS Benchmark D, Grade 4 Indicator 3  
3-5 LS Benchmark B, Grade 5 Indicators 1, 2  
3-5 PS Benchmark A, Grade 4 Indicator 1



(4)



## OTHER HELPFUL INFORMATION

### Cancellation Policy

A cancellation fee of \$25 per scheduled date will be charged for schools canceling less than 45 days before their visit. This does not apply to cancellations due to school closings or dangerous road conditions.

### Teacher Orientation

Educators are encouraged to call for a free tour of Rowe Woods prior to their class visit. If you are new to our program, this tour will familiarize you with the site, help you establish expectations for your field trip and create a smooth transition for your students. Tours can be customized to fit your schedule. Call the Education Director at 513/831-1711 x127 to schedule your tour.

### Frequently Asked Questions

#### May I bring more students?

We want your school group to have the highest quality educational experience possible. A low student/teacher ratio is crucial to accomplish the educational objectives for your students. Group limits take into account logistical concerns, including the number of educators available, the number of trails and learning stations and the size of classroom spaces. We ask that you adhere to the stated class size limitations. Thank you for your cooperation.

#### Are scholarships available?

Schools with more than 75% of their students in the Federal Free Lunch Program qualify for field trip scholarships. Funds are dispersed on a first-come, first-serve basis. For more information, call the Registrar at 513/965-4894.

"Both students and teachers agree: the single most exciting part of our new science program is the collaboration with CNC that wraps standards around hands-on science."

Martha Moesker,  
Curriculum Specialist,  
Goshen Local Schools

(5)



# SCHOOL PROGRAM APPLICATION

Mail or fax to: Registrar  
Cincinnati Nature Center, Rowe Woods  
4949 Tealtown Road  
Milford, Ohio 45150  
Fax: 513/831-8052

School: \_\_\_\_\_

District: \_\_\_\_\_

County: \_\_\_\_\_

School Phone: ( \_\_\_\_ ) \_\_\_\_\_

School Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Teacher/Contact: \_\_\_\_\_

Contact Cell/Home Phone: ( \_\_\_\_ ) \_\_\_\_\_

Contact Email: \_\_\_\_\_

Contact Address (optional): \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Please mail the School Group Information Packet to:

School Address

Contact Address



Please choose one:

Sept.-Dec. 2010

Feb.-May 2011

Please submit 10 preferred field trip dates in priority order (include year):

- |          |           |
|----------|-----------|
| 1. _____ | 6. _____  |
| 2. _____ | 7. _____  |
| 3. _____ | 8. _____  |
| 4. _____ | 9. _____  |
| 5. _____ | 10. _____ |

Class Information (list each class/teacher separately; group size is limited to 65 students):

Teacher name: \_\_\_\_\_

Grade: \_\_\_\_\_ Class size: \_\_\_\_\_

Lesson plan requested: \_\_\_\_\_

Teacher name: \_\_\_\_\_

Grade: \_\_\_\_\_ Class size: \_\_\_\_\_

Lesson plan requested: \_\_\_\_\_

Teacher name: \_\_\_\_\_

Grade: \_\_\_\_\_ Class size: \_\_\_\_\_

Lesson plan requested: \_\_\_\_\_

Teacher name: \_\_\_\_\_

Grade: \_\_\_\_\_ Class size: \_\_\_\_\_

Lesson plan requested: \_\_\_\_\_

Teacher name: \_\_\_\_\_

Grade: \_\_\_\_\_ Class size: \_\_\_\_\_

Lesson plan requested: \_\_\_\_\_

Most field trips for grades 1-8 are scheduled from 10 a.m. - 2 p.m.

Please indicate your class arrival and departure times.

Arrival: \_\_\_\_\_ Departure: \_\_\_\_\_

Comments/special scheduling needs:

\_\_\_\_\_

Payment is due on the day of your visit. See page 1 for fee & payment information.

Please check method of payment:

Cash

Check

Purchase Order

Visa/MC