

# Field Studies at the Schuylkill Center 2014



**Welcome to your  
outdoor classroom**



**The Schuylkill  
Center** | *for* ENVIRONMENTAL  
EDUCATION

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## Guided Groups at the Schuylkill Center

**Half-day field studies** provide a two-hour lesson exploring the Schuylkill Center's natural areas with our environmental educators.

**Full-day field studies** provide a three-hour lesson with our educators (generally 10 am – 1:30 pm with a break for lunch), allowing time to delve more deeply into subject areas.

Choose one of our standard full-day options, or combine any two half-day topics for a full-day experience.

### Program Fees:

#### Half-Day

\$6 per student;  
\$60 minimum

1 adult free per group of  
ten students.

\$3 for each  
additional adult.

#### Full-Day

\$10 per student;  
\$100 minimum

1 adult free per group of  
ten students.

\$5 for each additional  
adult.

*All programs are tied to PA academic standards.*



# School-Year & Summer Field Studies at the Schuylkill Center

## Preschool & Kindergarten

### Half-Day Programs

#### Storybook Stroll

Weaving imagination and experience, we read a story and explore the forest, looking for signs of animals.

#### Sensory Nature Ramble

Like the animals of forest and field, students will use their senses to explore the natural world.

#### First Look at a Pond

*(April-November)*

Dip-nets and buckets in hand, students will explore the diversity of life in and around our ponds.

#### Seasonal Nature Exploration

A trail hike and program highlighting the features of the season in which you visit.

#### Art & Nature

Investigate and interpret the natural world through art. After exploring the outdoors, students will create artworks using natural materials they have collected during their explorations.



## Grades 1 – 3

### Half-Day Programs

#### Pond Community

*(April-November)*

Dip-nets and buckets in hand, students will explore the diversity of life in and around our ponds.

#### Habitat Hike

Explore the field, forest, and pond habitats to discover who calls the Schuylkill Center home and how they find their food, water, shelter and territory.

#### Incredible Insects

*(April-November)*

Get up close and personal with one of the most diverse groups of creatures on the planet! Students explore our forests, ponds and fields to learn about the physical features and behaviors of insects.

#### Art & Nature

Investigate and interpret the natural world through art. After exploring the outdoors, students will create artworks using natural materials they have collected during their explorations.



## Grades 4 – 6

### Half-Day Programs

#### Ecosystem Explorers

Students explore interactions between living and non-living components of these diverse habitats.

#### Incredible Insects

Students explore our forests, ponds and fields to learn about the the insects here.

#### Amazing Adaptations

Students will learn about the unique features all living things possess to help them survive.

#### Water Survey

Students conduct a survey of chemical, biological, and physical aspects of a water ecosystem.

#### Seeds to Trees to Soil

Focus on the forest ecosystem and tree life cycles.

#### Soil: Digging Deeper

Study the importance of soil and the nutrients that cycle through it and into plants.

### Full-Day Programs (Grades 4 - 12)

#### Aquatic Ecology & Water Quality

Learn about watersheds and the impact of human activity on our waterways, examine stream critters under a microscope, and conduct pollution experiments.

#### Ecosystems & Adaptations

Reinforces the concept that every species has unique characteristics that help it survive. Learn how the environment influences a species' physical features and behavior through the process of natural selection.

#### Art & Science

Enhance your students' understanding of the natural world through art. Students will interpret natural science learning during their field explorations into an art project that they can take home.

## Grades 7 – 12

### Half-Day Programs

#### Biodiversity

Students learn about how scientists measure biodiversity and why it is vital to the health of the environment.

#### Ecosystems

Document the interactions between the living and non-living parts of field, pond, and forest habitats.

#### Wetlands Ecology

Discover wetlands and learn first-hand their features and functions.

#### Incredible Insects

Students explore our forests, ponds and fields to learn about the the insects here.

#### Amazing Adaptations

Learn how all living things possess unique features to help them survive.

#### Water Survey

Students conduct a survey of the chemical, biological, and physical parts of a water ecosystem.

#### Seeds to Trees to Soil

Focus on the forest ecosystem and tree life cycles.

#### Soil: Digging Deeper

Study the importance of soil and the nutrients that cycle through it and into plants.



Programs are one hour long.

## For Grades 1 - 12:

### **Butterflies & Other Insects**

From the creepy-crawly to the magnificent, insects are amazing and well-adapted.

### **Compost Community**

Investigate the process of decomposition while examining a worm bin and studying plant recycling.

### **Mammals and Their Adaptations\***

Using animal pelts, skulls, tracks, and scat, students learn about the characteristics of mammals.

### **Owls**

Did you know Pennsylvania is home to eight species of owls? Learn about the lore of these animals and do an owl pellet dissection. Meet two of our owls.

### **Schoolyard Exploration\***

Explore the schoolyard with animal eyes. Students will be amazed by what calls your schoolyard home.

### **Trash Bash**

We have a trash problem! Learn what we're throwing out and problem-solve to reduce, reuse, and recycle.

### **Water Quality Testing**

Students use chemical and biological tests to study water. Classroom or at a walkable pond or stream.

### **Watersheds & Water Pollution**

Learn the concepts of a watershed and nonpoint source pollution through hands-on activities.

### **What's with Water?**

A comprehensive introduction to water and a hands-on exploration of the water cycle.

### **Wetlands & Water Quality**

With hands-on activities, discover how wetlands act as sponges, purifiers, and nurseries.

### **Wildlife Protectors\***

Learn how animals adapt to living close to humans, and how to make neighborhoods safer for them.

### **Raptors\***

Learn about the natural history and adaptations of hawks, owls, and vultures. Meet live birds and see samples of bones, talons, feathers, and skulls.

### **Reptiles and Amphibians**

Herpetology is the study of the scaly and slimy: reptiles and amphibians. Learn about their adaptations for survival, with hands-on activities.

### **Wildlife of Pennsylvania\***

Meet birds of prey, mammals, and reptiles native to our region. In addition to live animals, students will examine samples of bones, feathers, skulls and furs.

## **Preschool & Kindergarten:**

### **Senses & Nature**

Hands-on activities and natural artifacts engage all of your students' senses.

### **Around the Pond\***

Meet the pond ecosystem and what lives there.

### **Discovering Birds\***

Learn about schoolyard birds by sight and sound.

## **SCEE @ My School Fees:**

\$100 per program for up to 30 students (15 students for preschool and kindergarten)

\*\$50 for optional live animal

\* *Schoolyard Exploration*: \$100 up to 15 students, \$75 for additional 15 students

\* *Raptors & Wildlife of Pennsylvania*: \$250; auditorium programs

Programs carry travel fees based on mileage and travel time from the Center (generally \$15-\$30).