

## Kceel 2006 Course Registration Form

Please note: It is important that home information be given for future correspondence.

Name	Home Street Address	Home City	Home State	Home Zip
Home Phone	E-mail Address	School	School District	Position Title/Grade Taught
Who is your Curriculum Coordinator?	Curriculum Coordinator's E-mail	Who is your Principal?		
School Street Address	School City	School State	School Zip	
School Phone				

Will you be staying on campus?  YES  NO

Which one of the following options do you prefer?

See reverse side for credit options available per course.

- |   |  |
|---|--|
| <input type="radio"/> Act 48 Hours, FREE  | <input type="radio"/> 3 NEIU-19 CPE Credits at \$75 per credit                           |
| <input type="radio"/> 3 Keystone College Undergraduate Credits at \$325 per credit for PA residents | <input type="radio"/> 2 NEIU-19 CPE Credits at \$75 per credit                           |
|   | <input type="radio"/> 3 Wilkes University Graduate Education Credits at \$327 per credit |

\* All meals and housing are provided at no charge. \* Attendance at all meals is required.

If you choose Keystone College Undergraduate Credit, CPE, or Graduate Credit, a course registration form will be mailed to you.

Which course(s) will you be attending?

- Watershed Explorers, June 18-23, 2006
- Forests and Society, July 16-21, 2006
- Geology of Northeastern PA, July 23-28, 2006
- Exotic and Invasive Species, July 23-26, 2006
- PA Land and Community Education, July 30-Aug. 2, 2006
- Alternative Forest Products, March 11, 2006
- Amphibians and Reptiles of the Woodland Landscape, April 5, 2006

The commitment fee for each workshop is \$50. Your check will be returned to you at the end of the course. Failure to attend the course will result in a forfeiture of your fee. If you need to cancel, you must do so two weeks prior to the first day of the course and your check will be mailed back to you.

Make checks payable to Keystone College/Kceel. Please fill out the registration form and return it with your check.



One College Green  
La Plume, PA 18440-9975

ADDRESS SERVICE REQUESTED

NONPROFIT ORGANIZATION  
BULK RATE  
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LA PLUME, PA  
PERMIT NO. 1



## SUMMER 2006... LET NATURE BE YOUR TEACHER!

EDUCATORS GRADES K-12

## Summer 2006 Environmental Courses For Teachers



*Learn Science, Using Nature as Your Laboratory!*

Nestled in the Endless Mountains, you'll find the **Keystone College Environmental Education Institute (Kceel)** offering hands-on, inquiry - based science and environmental education using nature as a laboratory.

This summer, teachers of kindergarten through 12th grade can take advantage of a number of exciting science courses from Kceel that:

- ▶ Enhance your PA academic standards knowledge base and education skills
- ▶ Develop educational connections to the PA Science Assessment Anchors
- ▶ Provide immersive, hands-on learning through activities and field trips
- ▶ Feature natural resource professionals and researchers
- ▶ Expand your networking opportunities among other educators

Participating teachers will be provided:

- FREE**
- ▶ Numerous educational materials
  - ▶ On campus meals and housing accommodations
  - ▶ Option of receiving Act 48 Hours
  - ▶ Option of receiving three Keystone College Undergraduate Credits
  - ▶ Option of receiving two or three CPE Credits through NEIU-19
  - ▶ Option of receiving three Graduate Education Credits through Wilkes University

**Hurry and Sign Up!**

**Space is Limited to 25 Participants Per Class!**

Register online at [www.Kceel.keystone.edu](http://www.Kceel.keystone.edu)

# Summer Science at **Keystone** College... It's Only Natural!

Kceel's summer courses provide a wonderful learning atmosphere. Keystone College's 160-acre Woodland Campus, five interpretive trails, ponds, streams, wetlands, well-fields, continuous monitoring stations, Lake Manataka Environmental Field Station, and Little Rocky Glen provide unparalleled opportunities.



Keystone College Environmental Education Institute

## Send Registration to:

Keystone College  
Environmental Education Institute  
One College Green  
La Plume, PA 18440  
Phone: (570) 945-8555  
Fax: (570) 945-8426  
e-mail: Kceel@keystone.edu  
www.Kceel.keystone.edu

## Contacts

Howard Jennings, Director  
howard.jennings@keystone.edu  
Tim Eichner, Assistant Director  
tim.eichner@keystone.edu  
Nora Dillon, Operations Coordinator  
nora.dillon@keystone.edu

## Partners

Keystone College  
Education and Research Consortium  
of the Western Carolinas Inc.  
USDA Forest Service  
Mid-Atlantic Urban and Community  
Forestry Center  
Willary Water Resource Center  
Department of Environmental Protection  
DCNR Bureau of Forestry and Parks  
PA Fish and Boat Commission  
Pennsylvania Governor's Institute  
USDA Natural Resource  
Conservation Service  
County Conservation Districts of Bradford,  
Lackawanna, Susquehanna, and Wyoming  
Countryside Conservancy

Printed on recycled paper.

# WEEK-LONG COURSES

Act 48 Hours; 3 Keystone College Undergraduate Credits;  
3 NEIU-19 CPE Credits;  
3 Wilkes University Graduate Education Credits

## Watershed Explorers (Watershed Concepts)

Grades K-6 --- June 18-23, 2006

Watersheds, whose limits are defined by topography and the resulting runoff patterns of rainwater, are among the most basic units of natural organization in landscapes. Consequently, processes or activities occurring in one portion of the watershed will directly impact downstream areas (land or water). Given the essential role of water, the management practices will, in one form or another, affect every organism living in the watershed. This hands-on, science-based course will explore watershed concepts and the interdisciplinary nature of environmental issues.

Key topics will include: human impact on the watershed; water movement in the forest; applied stream ecology; water quality monitoring; groundwater; watershed strategies; global water issues; case study – Glenburn Pond; lake ecology; wetlands; and teaching tools and strategies.

## Forests and Society (Forest Stewardship)

Grades 7-12 --- July 16-21, 2006

Forest Stewardship challenges us to look at how our personal needs can be met and ensures renewable resources can be available to future generations through proper management. Stewardship is concerned with all components of the forest, living and non-living. This hands-on, science-based course will explore the concepts of forest stewardship, providing an understanding of the importance of forest literacy in education.

Topics include: tools of forestry/forest inventory; national and Pennsylvania forest resources; conservation history; forest products; tree identification; forest challenges; pests; white-tailed deer; invasive species; forested watersheds and riparian buffers; urban forestry; and forest sustainability.

## Geology of Northeastern Pennsylvania

Grades 7-12 --- July 23-28, 2006

Northeastern Pennsylvania's landscape records hundreds of millions of years of Earth history. This course focuses on the essential skills and knowledge needed to begin to understand geologic processes, grasp the expanse of geologic time, and unravel Earth's history. Local geology and hands-on activities are emphasized throughout the week. Two days are dedicated to field trips to sites of geological interest. Key topics will include: geologic reasoning, mineral and rock classification, sedimentary processes, weathering, erosion, plate tectonics, glaciations, landforms, and deep time.

# FOUR-DAY COURSES

Act 48 Hours; 2 NEIU-19 CPE Credits

## Exotic and Invasive Species

Grades 6-12  
July 23-26, 2006

This course will focus on the origin, impacts, and spread of invasive plants in the landscape. Topics include origin, culture, terminology, and ecosystem impacts. Participants will learn to identify invasive plants and learn control methods even students can use. In addition to plants, invasive and exotic animals, diseases, and insects will also be discussed.

## PLACE: Pennsylvania Land and Community Education (PA Land Choices)

Grades 6-12  
July 30-August 2, 2006

This is a DCNR State Parks course for teachers which incorporates Pennsylvania Land Choices, Save Our Land, Save Our Towns, Greenways, and many other resources that engage teachers in the natural, civic, and cultural history of their communities.

(Housing will not be available.)

## ONE-DAY COURSES

Act 48 Hours

## Alternative Forest Products

Grades K-12  
March 11, 2006

There are a great variety of products harvested from forests in the United States that are not timber-based. Included in this course will be a hands-on experience in the production of pure maple syrup, as well as information on ginseng, mushrooms, and other forest products.

(Housing will not be available.)

## Amphibians and Reptiles of the Woodland Landscape

Grades K-12  
April 5, 2006

By looking under rocks and slogging through swamps you will learn the habits and habitat of PA's slimy and scaly vertebrates. This workshop is designed to introduce participants to four major components of herpetology: awareness (basic biology), identification, habitat, and responsible human action.

(Housing will not be available.)

