ENVIRONMENTAL EDUCATION ACTIVITY DESIGN
ONLY STUDENTS WITH TEACHING EXPERIENCE PLEASE!

Environmental Issue: Philadelphia residents know little about the plants and animals that inhabit the city’s huge park system (8,900 acres!). The National Association of Environmental Educators (2000) estimates that 31% of schoolchildren know little to nothing about current environmental issue, problems and solutions. The Andorra Natural Area’s mission is to educate the public about environmental issues in Philadelphia. Three of the issues that they would like to develop activities and handouts for the public are: 1) pesticides their uses and impact, 2) pests found in the forest, 3) why we grow and replant trees, and 4) endangered mammal species in Pennsylvania. What can we do on each of these issues in our daily lives? How do we impact the environment?

Chapters in Textbook: Ch 4 Biological Communities (connections between plants and animals)
Ch 5 Biomes (temperate deciduous forest)
Ch 13 Biodiversity: This is on reserve in Gutman Library under Dr. Bockarie’s name
Ch 14 Agricultural Methods and Pest Management

Internet Sources: Welcome to EE-link: http://eelink.net/ee-linkintroduction.html
Ask Eric (database of activities): http://ericir.syr.edu/Virtual/
Pesticide safety at FDA: http://vm.cfsan.fda.gov/list.html

Title: Environmental Education Activity Design
Dates: Three students will work individually or in a group and come weekly (or as needed) to Andorra Natural Area during their hours of operation: 9:30 am to 4 pm M-F from Mar 12 to April 14.

Mandatory Orientation: Mar 13 from 11 am-1 pm, OR Mar 14 from 3-4 pm OR Mar 15 from 11 am-1pm.

Site Supervisor: Marie Tramontina, Environmental Educator
Andorra Natural Area- Tree House
Northwestern Ave
Wissahickon Park
Philadelphia, PA 19118
215-685-9285

On-Campus Coordinator: Dr. Bockarie
Office: Search Hall 312
Mailbox: Search Hall 310
Email: BockarieA@philau.edu
Office hours: MWF 9-10 am
215-951-2877

Description: Students will use the library databases and internet resources to research 1) pesticides and pests in forests and their impact on people and wildlife, 2) endangered mammal species in PA, 3) why we grow and plant trees. Students may write a teaching lesson plan, design an activity or create a nature walk at the center for any of the following age groups: 1) kindergarten to third grade, 2) middle school students or 3) families and the general public. Andorra Natural Area has a wealth of environmental education books and activities that my inspire you to create one of your own. Materials developed may be used in future programming at the center.

Directions: By Bus: From Philadelphia University take 32 Bus on Henry (North or out of the city) up to Ridge and Lyceum (15minutes). Get a transfer pass from the driver when you pay and tell him/her you want the 27 bus next. Wait approximately 15 minutes depending on schedule. Transfer to the 27 bus going North (must say on front of bus: Barren Hill) and exit at Friendly’s Ice Cream Restaurant north of Ridge Ave and Bell’s Mill Rd (16 minutes). Walk behind Friendly’s to Northwestern Ave and follow the Fairmount Park Signs 0.6 mile to the Andorra Nature Center upper parking lot. Walk down the park trail to the treehouse.

WE RECOMMEND YOU RECHECK BUS ROUTES WITH SEPTA
Septa’s estimate of time from the University to the Tree House: 45 minutes to 1 hour SEPTA HOTLINE: 215-580-7800
Septa’s estimate of cost per trip: $2 one way or $4 round trip SEPTA WEBSITE: http://www.septa.com/

By Car: From Philadelphia University’s main campus turn right on Henry Ave and cross the Henry Ave bridge next to campus. Continue north past where Henry Ave joins Ridge Ave (Andorra Shopping Center on your right). Pass Bells Mill Rd, which leads into the Wissahickon Park. Turn right immediately after Friendly’s Restaurant on Northwestern Ave. Drive 0.6 mile to the end of the road. Andorra Nature Center upper parking lot is on your right. Park and follow the trail down the hill to the treehouse.

Estimated driving time: 20 minutes
Estimated driving distance: 10 miles