



Fernbrook Farms Environmental Education Center 2019 Fall Upper Level Homeschool Semester

Ages 12-14 Years Old

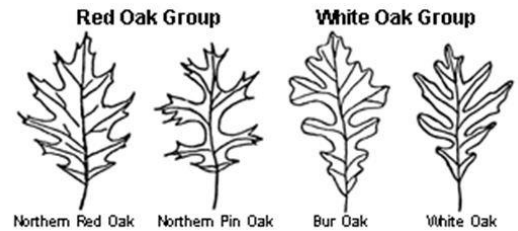


Class Session: Tuesdays 9:30am-11:30am, Tuesdays 1:30pm-3:30pm,
Thursdays 9:30am-11:30am or Thursdays 1:30pm-3:30pm

Forest Ecology and Conservation

The students will immerse themselves into Fernbrook's forest ecosystems during this 8-week semester. Throughout the semester, the students will understand what it takes to manage and care for a forest from propagation to understanding the functions of different species of trees, and even reforestation. There will also be a chance for the students to participate in "field trips" to two different unique forest ecosystems during their specified class times. More information will be distributed the 2nd week of classes regarding the field trips.

Sincerely,
Ms. Patty Gurgul



Tree Nursery and Propagation

This week students will have an opportunity to take a look at the nursery business at Fernbrook, and learn about different methods of propagating plants. The classes will take cuttings and clone some of their own plants, which we will raise in our new education greenhouse.

September 17th or 19th

Tree Identification

During this class we will be learning how to identify trees. The students will be looking at leaf arrangements, leaf types, and margins and the bark of a tree. We will be using both guides and smart phone apps to help us ID trees on our hike around Fernbrook.

September 24th or 26th

Tree Benefits and Functions

Why do we care about trees? What do they do for us? We will be looking at the benefits of trees, the layers of the tree and how they function. We will unearth the myths and facts about tree rings, and understand seed dispersal methods. The classes will also be looking at methods to estimate the height of a tree and seeing which method works best.

October 1st or 3rd

Field Trip to Rancocas Nature Center

During our visit and hike at Rancocas Nature Center the students will observe the stages of forest succession. There are some great examples of early and late successional forests that we will see along with some different species of tree that we will identify.

October 8th or 10th



Plot Study

The students will be conducting a plot study in Kuser Forest. They will be recording data about the vegetation they find on their plot, learning how to do a transect and examining the biodiversity of the area. The students will also be looking at the importance of dead trees and decomposers in the forest.

October 15th or 17th

Forest Planting

Roll up your sleeves and get ready for planting! The students will be planting oak trees in Kuser forest. Why? I think you will be able to guess why by the time we get to this class.

October 22nd or 24th

Field Trip to the Forest Resource Education Center October 29th or 31st

During our visit and hike at the Forest Resource Education Center the students will be comparing the biodiversity of yet another area and looking at the importance of fire ecology. Are all forest fires bad? We will learn more about it during this trip.





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Preserving Trees

November 5th or 7th

During our last class, the students will be holding a mock city council debate revolving around the very real issue that many towns face about cutting down trees. Then the students will be designing a “Truffula Tree Management Zone”. Yes, the Lorax has some very important conservation lessons for all of us.



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start of classes)



“Forest Ecology and Conservation”

Name of Child		Age	Date of Birth	Male	Female
Address		City State			
Zip Code		Current Grade Level			
Parent's Name		Parent's Name			
Home Phone#	Work#	Home Phone#	Work#		
Email		Email			
Cell#		Cell#			
Employer		Employer			
Emergency Contact (Name, Phone #, Relationship)					

Class Sessions Offered (please circle the class you want your child to attend) :

Tuesdays 9:30am-11:30am OR Tuesdays 1:30pm-3:30pm OR

Thursdays 9:30am-11:30am OR Thursdays 1:30pm-3:30pm

8-week Semester runs: September 17th/19th to November 5th/7th

Confidential Medical Information & Required Emergency Information

- ☐ Please indicate information about the registrant(s) **regarding medications, allergies, physical disabilities or restrictions that the instructors should know about. Attach pages if necessary.**

In case of an emergency, I give my permission to have _____ (child/children)
receive first aid and be transported to the nearest hospital by professional, emergency personnel. I
understand I will be financially responsible for the cost of such treatment. ☐ YES ☐ NO

Parent/Guardian _____ Date signed _____

I give Fernbrook Farms Environmental Education Center permission to use any photographs or video
footage of my child(ren) for any promotional or other legitimate reason. ☐ YES ☐ NO

Parent/Guardian _____ Date signed _____

***Registration Fee - \$139.00 for entire semester including cost of field trips**

- ☐ **MAKE CHECKS PAYABLE TO:**

Fernbrook Farms Environmental Education Center
(FFEEC)

- MAIL REGISTRATION TO:**

Fernbrook Farms Environmental Education Center
Upper Level Homeschool
P.O. BOX 228
Bordentown, NJ 08505

- ☐ **REGISTER ONLINE:**

On our website at www.FernbrookFarms.com