

Forestry Station Learning Objectives

Envirothon students will be able to:

- **Understand and describe the basic natural history of Connecticut's forests**
- **Understand and describe forest ecology principles, including:**
 - The relationship between soil and forest types
 - Regeneration, competition, succession
 - The relationship between climate, insects, microorganisms, wildlife, and non-native species on forest growth and development
 - The function and value of riparian areas
- **Understand and describe basic forest management practices for managing even-aged and uneven-aged forests, including:**
 - The difference between silvicultural clear-cuts, thinnings, shelterwood cuts, group selection cuts, single-tree, reserve tree, diameter-limit, and coppice w/standards
- **Use a Biltmore stick for measuring tree diameters and a Merritt hypsometer for measuring merchantable tree height and a tree scale stick for estimating board-foot volume.**
- **Identify the major, common tree and shrub species in Connecticut without keys, and with or without leaves.**