

## Coldwater Conservation School

The Coldwater Conservation School is a collaborative effort between the NJ DEP Division of Fish and Wildlife, and the NJ State Council of Trout Unlimited and its supporting chapters.

The goal of the school is to foster knowledge and appreciation of trout and coldwater habitats through a variety of hands-on activities and interactive learning methods. The Coldwater Conservation School will give students practical knowledge about trout, their coldwater habitats, and provide information they can use to protect and improve the habitat trout need to flourish.

The school will be held at the NJ School of Conservation in Stokes State Forest from June 24-27, 2010. Check-in is at noon on June 24, with student pick-up at noon on June 27.

Cost is \$150.00 per student and includes food, lodging and equipment. Financial assistance may be available.

Students must be 11 to 15 years old in order to participate.

For more information, visit [www.njfishandwildlife.com](http://www.njfishandwildlife.com) or contact:

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## Coldwater Conservation School Partners



## Stokes State Forest School of Conservation



June 24 - 27, 2010

# Coldwater Conservation School Lessons and Activities

Four days of hands-on learning about trout, their coldwater habitat, habitat conservation and fishing in the heart of trout country.

## Biology Lessons

### **Aquatic Insectigations**

Students get their feet wet as they wade a stream, collect aquatic insects for identification, and learn how scientists determine stream health based on its insect population.

### **Fish Biology and ID**

Students learn fish anatomy and biology, as well as how to differentiate between fish species.



## Conservation Lessons

### **River and Stream Conservation**

Students learn the value of trout habitat conservation and what is necessary to responsibly protect and manage coldwater streams.

### **Stream Restoration**

Students learn stream bank restoration techniques and apply that knowledge by restoring a section of trout stream in Stoke's State Forest.



## Ecology Lessons

### **Wetlands Ecology**

Students learn about the value of wetlands and their importance to wildlife by exploring a wetland area.

### **Riparian Forest Exploration**

Students explore a riparian habitat, study its trees and plants, and learn the crucial role the riparian forest plays in stream ecology.

### **Trout Habitat**

Students learn where trout like to live by looking at water quality and quantity, food sources, and stream features such as riffles and pools.



## Angling Lessons

### **Casting Practice and Skills**

Students learn how to cast spinning and fly rods, and develop their skills through practice and challenges and apply those skills to actual fishing experiences.

### **Fly Tying**

Students study the aquatic insects found in a trout stream and learn the art of fly tying.

### **Angler Ethics**

Students learn some basic angling ethics to improve the quality of their fishing experiences, as well as the fishing experiences of other anglers.



## Free Time

### **Fly Tying -- Relaxing Around the Campfire -- Fishing**

## Evening Programs

### **Know the Bear Facts -- World of Trout -- Reptiles**

The school staff includes Fish and Wildlife personnel, Trout Unlimited members, and teachers.

They are professionals with experience, knowledge and skills relating to trout, angling, coldwater habitat and its conservation.