

## **SYLLABUS**

### **2008 AACD YOUTH CONSERVATION WORKSHOP**

Many of the topics presented through the course of the week are aimed at creating an interest in the natural world and show that there are numerous non-consumptive uses that can serve to enhance one's quality of life. Potential users of these resources need to know that there are many facets to natural resource management and that no one solution is always workable when problems arise. As a potential side benefit, persons with perhaps marginal interest at present may see where they can enjoy the outdoors in a manner they had not previously considered. It is our hope that when they begin to enjoy the outdoors for their own personal gratification, they will be much more likely to be interested in conserving the resources that they are making use of.

Careers in Natural Resources – An overview and introduction to the potential career paths and the levels of education and experience needed to obtain jobs in these areas.

Groundwater – A discussion of groundwater models, measuring water levels, conservation activities, critical areas, study areas, and geology will be presented.

Macroinvertebrates - Students will participate in identification and mobility of macroinvertebrates and the purpose of their study. Pollution tolerance of different types and collecting samples will be demonstrated.

Watersheds and Planning – Using a non point source model, professional conservation staff will demonstrate the impacts of erosion on water quality and will discuss conservation practice planning and installation to mitigate such impacts. The diversity of the six eco-regions of Arkansas will be discussed.

Soils – A discussion of the basics of soils science and soil surveys will be presented.

Water Quality – Students will participate in various water quality demonstrations and water quality sampling. A slide show of an existing water quality project will be presented.

Canoes and boating safety – Staff with extensive experience in handling canoes will demonstrate aspects of boating safety through hands on demonstrations. General boating safety will be integral to the talk and demo. The canoes will then float the Cossatot River.

Conservation engineering – A professional engineer will work with the students to show how elementary math is applied to the engineering needed to install conservation practices.

Wildlife Biology – Biologists and conservation staff will discuss various aspects of wildlife from a mussel program to quail emphasis and elk.

Forestry – Forestry activities include forest identification, edible plants, volume calculations, tree core sampling, and GPS systems

DRAFT AGENDA

AACD Youth Conservation Workshop  
Camp Clearfork, Mount Ida  
June 8-13, 2008

**Sunday (Orientation Day) June 8th**

2:00 pm	Counselor Orientation
2:30 pm	Check in and Arrival at Camp Clearfork
3:30 pm	Orientation – Alice Weeks
	Group Dynamics - All
	Split into groups
	Counselors organize group –
	Catfish Supper
	Journal Workshop/Team Building - All
	About the Workshop and
	Conservation Districts – Roy Mahler
	Agency Intros
	Recreation
	Campfire and Snacks
10:00 pm	Group Meeting – All
11:00 pm	Lights Out

**Monday June 9th**

7:00 am

Wake UP

7:30 am

Breakfast

Tie Flys –  
Arkansas Counties – NRCS  
AR Eco Regions/Soil Texture– NRCS  
Water Quality –

11:30 am

Lunch

Forestry Workshops

Forestry ID/Edible Plants – Tamara Walkingstick, CES

GPS – Carroll Guffey, CES, AR Forestry Commission

Journal Time

6:00 pm

Supper

Land Use Game

10:00 pm

Group Meeting - All

11:00 pm

Lights Out

**Tuesday June 10th**

7:00 am	Wake UP
7:30 am	Breakfast
	Enviroscape – NRCS Groundwater – Chris Kelley, ANRC Watersheds – ADEQ Non Point Sources of Pollution – Rural Water
11:30 am	Lunch
	Mussel Program – Bill Posey, AGFC Macro Invertebrates – Chris Kelley, ANRC
	Recreation
	Journal
6:00 pm	Supper
	Campfire and Snacks
	Astronomy – Roy Mahler
10:00 pm	Group Meeting - All
11:00 pm	Lights Out

**Wednesday June 11th**

7:00 am	Wake UP
7:30 am	Breakfast
	Farm Tour
11:30 am	Lunch
	Water Quality Project
	Journal Time
6:00 pm	Supper
	Test Review - All
	Campfire and Snacks
10:00 pm	Group Meeting - All
11:00 pm	Lights Out

**Thursday (Fun Day) June 12th**

7:00 am	Wake UP
7:30 am	Breakfast
	Test Review and Complete Journals - All
	Test - All
11:30 am	Lunch
	Canoe Trip – All
6:00 pm	Supper
	Campfire and Snacks
10:00 pm	Group Meeting - All
11:00 pm	Lights Out

**Friday (Wrap Up) June 13th**

7:00 am	Wake UP
7:30 am	Breakfast
	Pack out and clean up - All
9:30 am	Awards and Farewell - All