

**Black Mesa Range Ecology Academy  
June 22 - June 27, 2003  
Society for Range Management**

**Program**

Have you always been interested in conservation, biology, plants, wildlife, livestock, outdoors, land improvement - but had nowhere to go to learn but the classroom? You should come to the Black Mesa Range Ecology Academy. While textbook teaching is very important, learning how to apply the classroom knowledge is critical. Conservation must be applied to the land to improve forage for livestock, habitat for wildlife, and water quality for all.

"All of us is smarter than one of us", could be the theme. This Academy is a weeklong experience where you will learn:

- Basic ecological principles
- Plant identification
- Leadership skills
- Speaking skills
- Teambuilding skills
- How to evaluate habitat for wildlife and livestock
- How to develop a land management plan
- How to incorporate technology such as Global Positioning Satellites and Geographic Information Systems into land management
- Have fun

**Eligibility and Location**

The Academy will feature 10 high school sophomores, juniors, and seniors from each state of Colorado, Kansas, New Mexico, Oklahoma and Texas and will be based out of Kenton, Oklahoma. This is beautiful country and features terrain and vegetation from the Rocky Mountains and the High Plains. Tours of local ranches, dinosaur tracks, hikes to Black Mesa, and locally prepared food are some of the features. (Even a stage coach robbery may take place!)

**Staff**

The Instructors will be select specialists from NRCS, Universities, Extension, Conservation Districts, and private ranches and business from the five states. They are rangeland management specialists, educators, livestock specialists, wildlife biologists, ranchers, water quality specialists, GIS/GPS specialists, and others.

Transport will be furnished from OSU to Kenton arriving there by 4:00 pm on Sunday June 22. Exact details will be sent to selected participants.

**Schedule**

The Academy will be held Sunday, June 22, through Friday June 27, 2003. Participants will need to arrive by 4:00 pm on Sunday, June 22 and the program will conclude at noon on June 27.

The Academy begins with a challenge course; a tool used to build teamwork, teach problem solving, and cultivates self-confidence. Plant identification begins early.



Other activities include a tour through the history of the region, starting with the early Native American culture and ending with the present day inhabitants. The foods as well as the culture and living skills will be featured.

All teaching is done in a participatory learning environment - just a little talking, quite a bit of doing.

**Application Requirements**

- Application Form
- One letter of reference
- One page essay

**Academy Application Form**

\_\_\_\_\_  
Last Name                      First                      Middle

\_\_\_\_\_  
Address

\_\_\_\_\_  
City                                      State                      Zip

County \_\_\_\_\_

Date of Birth \_\_\_\_\_

Social Security # \_\_\_\_\_

Sex \_\_\_\_M \_\_\_\_F

Email Address \_\_\_\_\_

Parent/Guardian \_\_\_\_\_

Phone numbers

Home \_\_\_\_\_ Work \_\_\_\_\_

Recommended by: \_\_\_\_\_

Phone (    ) \_\_\_\_\_

High School \_\_\_\_\_

In Fall of 2003, I will be a \_\_\_\_SR. \_\_\_\_JR,

\_\_\_\_ Soph. Graduation year \_\_\_\_\_

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Include an essay explaining your reason for wanting to attend this Academy.

Please Complete the Following: (This will not affect your selection as a participant. It will be used to analyze and evaluate the program and to help determine future funding.)

Racial Identity:   Caucasian       Hispanic  
                           Afro-American   Asian

Native American - Tribal Code \_\_\_\_\_

1 Absentee-Shawnee	21 Osage
2 Apache	22 Ottawa
3 Caddo	23. Otoe- Missouriea
4 Cherokee Nation	24 Pawnee
5 Cheyenne-Arapaho	25 Peoria
6 Chickasaw Nation	26 Ponca
7 Citizen Band of Potawatomi	27 Quapaw
8 Comanche	28 Sac & Fox
9 Creek Nation	29 Seminole Nation
10 Choctaw Nation	30 Seneca- Cayuga
11 Delaware	31 Thiopthiocco
12 Eastern Shawnee	32 Tonkawa
13 Fort Sill Apache	33 Keetoowah Band
14 Iowa	34 Wichita
15 Kaw	35 Wyandotte
16 Kialegee	36 Unknown
17 Kickapoo	40 Other
18 Kiowa	
19 Miami	
20 Modoc	

(Numbers are Tribal Codes)

\_\_\_\_\_  
Signature of Student

\_\_\_\_\_  
Signature of Parent/Guardian

Students will participate in learning how to identify plants and conduct an inventory of the resources. This information will be collected with traditional means, as well as the latest technology using GIS/GPS. This information will form the basis for working in teams to prepare a land management plan based on objectives. This exercise will bring together the skills in problem solving and teamwork.



One promise - those that come will remember this week the rest of their lives and make friends they will continue to see for the remainder of their lives. In addition, students will gain insight into educational opportunities and job opportunities in the vast and diverse field of natural resource management.

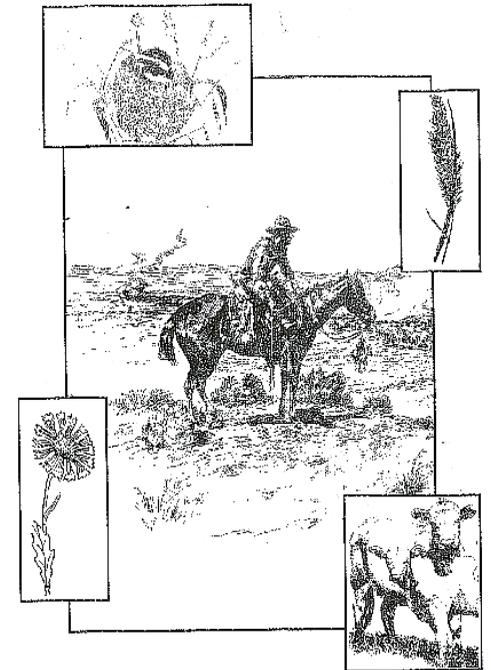
#### Application

Tuition will be paid by a generous grant from the Oklahoma Regents for Higher Education. Applications must be postmarked by May 15, 2003.

If you want to become a part of an exciting experience like this, mail your application to:

Dr. Chris Moseley, 230 Willard Hall, Oklahoma State University, Stillwater, OK 74078. For additional information contact Chris Moseley at (405) 744-9515, Mark Moseley (405) 742-1235, your local conservation district, NRCS or Extension offices. These contacts can also provide other additional applications, or this one may be copied.

## Black Mesa Ecological Academy For High School Students in Colorado, Kansas, New Mexico, Oklahoma & Texas



**June 22- 27, 2003**

**Kenton, Oklahoma**