

KEEP THIS INFORMATION!

Any questions call 573-437-7628!

EC's cell # is 573-205-6749 for questions only during travel on program days.

Natural Resource Career Experience



Sponsored by Earth's Classroom

Description:

Earth's Classroom is happy to announce that YOU are a part of the 90-hour, experiential, free program for high school students who are interested in chemistry, biology, conservation, wildlife biology, ecological sciences, outdoor education, sustainable architecture or any other similar field! This program has been funded by multiple grants/sponsorships from Whitetails Unlimited, Quails Forever, Nechita Designs, and multiple private donors.

The grants sponsor 20 *students* from 6 area high schools this year. However, by the end of the school year you and the other participants will be instructed and guided to do an hour, solo presentation to an elementary class within your school district on a subject you felt most passionate about. Thus, not only will this project affect 20 high school students, but also *approximately 400-500 elementary students* will be able to share the experience through your eyes and storytelling of your NRCE experience.

Please attend every program, for you are already paid for! --Thanks!

The Natural Resource Career Experience Program TENTATIVE SCHEDULE:

(Schedule may change due to conflicts; we will try to work with your schedule.)

- The following experiential courses will be available to the chosen applicants:

October 9th (Monday) 4:30-7:30pm at Earth's Classroom:

LIMNOLOGY: Learn unique natural history and identification skills related to the life of freshwater systems. We will meet at Earth's Classroom but then carpool/caravan 1.5 miles to the Bourbeuse River. E.C. will provide all educational equipment. *You must bring: shoes and pants/shorts to get wet in, change of WARM dry clothes (including underwear) and please eat at least a snack or supper before program begins. Please be prepared to carpool for 5 minutes at 4:20 pm.*

November 19th (Sunday)—10:00am-6:30pm at the Audubon Center of the

Riverlands: **ORNITHOLOGY:** Learn unique natural history and identification skills (sight and sound) of our native birds with binoculars and spotting scopes. E.C. will provide spotting scopes, binoculars and other educational equipment. *You must bring: appropriate, warm clothes for being outside. Bring your lunch*

and \$ for a quick dinner. We will meet in Washington, MO at Lowe's parking lot (back of lot closest to hwy 47).

December 9th (Sunday) 11am- 3pm at Earth's Classroom:

NATURAL RESOURCE MANAGEMENT: Learn the scientific tools used to understand our natural resources. Also, discover the power of fire ecology, and, if suitable, assist/observe in doing a controlled burn. *You must bring: appropriate, warm clothes HOWEVER, (if burn conditions are good) have cotton on the outside layer (examples; flannels, canvas jacket, jeans, cotton pants, etc.), leather boots or lace up shoes, leather/cotton gloves, bandanna, lunch to carry and drinking water.*

January 8th (Monday) 4:30pm-7:30pm at Earth's Classroom:

CULTURAL PRE-HISTORY: Spend time discussing over artifacts and known information about the native Indians of our area and their interrelationship to the resources. *You must bring: appropriate, warm clothes for being outside, at LEAST TWO LAYERS on your legs, etc. and a personal mug for warm drinks. Be prepared to hike—even if in snow. Please eat at least a snack before program begins.*

February 19th (Monday) 4:15pm-7:30pm at Earth's Classroom:

SUSTAINABLE TECHNOLOGIES: Visit a home that is designed with passive and active solar and built in a self-sustainable way. Look at and discuss vehicle technology. We will meet at Earth's Classroom then carpool/caravan 4 miles to a residential home. *You must bring: appropriate, warm clothes for being outside, and a personal mug for warm drinks. Please eat at least a snack before program begins. Be prepared to carpool at 4:20pm.*

March 12th (Monday) 4:30pm-8:30pm at Earth's Classroom:

MAMMOLOGY: Learn unique natural history of our native mammals through the study of skulls and furs. Also develop understanding of dichotomous keys and diagnostic features. We will also be working with you on how to do an appropriate "interpretive program" for your elementary students. *You must bring: appropriate, warm clothes for being outside. Bring your own mug for hot drinks! Please eat at least a snack before program begins.*

April 9th (Monday) 4:30pm-8:30pm at Earth's Classroom:

HERPETOLOGY: learn unique natural history of our native reptiles and amphibians and different symbiotic relationships. *You must bring: appropriate, warm clothes for being outside, and waders or rubber boots if you own them. Please EAT or bring food before program begins.* This is a VERY important course to attend, for we will be using some time to thoroughly discuss details on the canoe trip for the last hour! Your parents are welcome to attend the last hour.

End of April or May— Date to be determined by you and your choice of teacher: 45-MINUTE to HOUR PRESENTATION: Present, in solo, to an elementary classroom from your own school district with assistance from E.C. and interpret a subject you have the most interest in.

May 30th--June 1st, 2018 (Wednesday--Friday) back-up dates are June 6th--8th (Wednesday--Friday)

3-DAY, 2-NIGHT ECOLOGY CANOE TRIP: (59 hours!) Discover how studies of all life are put together in a tight interrelationship as we travel and collect samples down the upper Meramec River. Learn canoeing skills, natural and cultural history of the Meramec, sight and sound identification skills, and a bit about all the flora and fauna around us. Other professionals will be visiting us on our adventure. *A detailed gear list of what E.C. will provide and what personal items you should bring will be given closer to the date of trip.*

Once all 27 hours of courses, 59 hours of ecological learning/canoe-trip, and an hour presentation are completed, a Certificate of Achievement for 90 hours of career experience will be awarded. This certificate will carry the EC and sponsors' logos.

Objectives:

- To inspire young adults to pursue the natural resource/ environmental field.
- To provide an experiential educational opportunity not available in the formal school setting.
- To provide a 90-hour field, experience, certificate of achievement to all students who participated...a certificate very worthy on a resume or scholarship application!