

## KEEP THIS INFORMATION! FSCE YEAR SCHEDULE

Any questions call 573-437-7628!

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

### Field Science Career Experience



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

The Field Science Career Experience Program TENTATIVE SCHEDULE:  
(Schedule may change due to conflicts; we will try to work with your schedule.)

#### **October 10th (Monday) 4:15-7:30pm at Earth's Classroom:**

LIMNOLOGY: Learn unique natural history and identification skills, with the use of dichotomous keys, related to the life of freshwater ecosystems. 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 14th (Monday)—4:30pm-7:30pm at Earth's Classroom:**

MAMMOLOGY: Learn unique natural history of our native wild mammals through the study of skulls (bones and tooth formulas) and furs. Also develop understanding of dichotomous keys and diagnostic features. *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.*

#### **December 11th (Sunday) 1:00pm- 6:00pm at Earth's Classroom:**

NATURAL RESOURCE MANAGEMENT/FIRE ECOLOGY: Learn the scientific tools (methodologies) used to managing scientific problems. In this case we focus on natural resource management by using the power of fire ecology. And, if suitable, assist/observe in doing a controlled burn. *You must bring: a personal mug for warm drinks. head lamp, appropriate, warm clothes HOWEVER, (if burn conditions are good) have cotton or natural fibers on the outside layer (examples; flannels, canvas jacket, jeans, cotton pants, wool etc.), leather boots or lace up shoes, leather/cotton gloves, bandanna, food to carry and drinking water.*

#### **January 9th (Monday)—4:30pm-7:30pm at Earth's Classroom:**

CULTURAL PRE-HISTORY: Spend time discussing over artifacts, skills and known information about the Native Americans of our area and their interrelationship to the resources. Paleontology, Archeology, and Anthropology will be part of tonight's studies. *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 13th (Monday)—4:15pm-7:30pm at Earth's Classroom:**

SUSTAINABLE TECHNOLOGIES/CLIMATE SCIENCE: What is sustainable? Visit a home that is designed with passive and active solar and built in a self-sustainable way. Look at and discuss sustainable technology within engineering and architecture. 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 (Sunday) 10:30am-6:00pm at Riverlands Audubon Center:**

ORNITHOLOGY: Test your observation skills by learning unique sight and sound identification skills of our native birds with binoculars and spotting scopes. We will have an amazing guest speaker! E.C. will provide spotting scopes, binoculars and other educational equipment. *You must bring: appropriate, warm, warm, warm clothes for being outside. Bring your lunch to eat at the center and \$ for a quick dinner during the ride home. Bring your own binoculars if you have them. We will meet in Washington, MO at Lowe's parking lot (back of lot closest to hwy 47). We will then caravan to West Alton area for exploration at the Riverlands Audubon Center.*

**April 17th (Monday) 4:30pm-8:30pm at Earth's Classroom**

HERPETOLOGY: Catch and learn unique natural history of our native reptiles and amphibians and different symbiotic relationships. Discover adaptations you may not be familiar with. *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 how to design your Educational Program to an elementary class in an interpretive, outdoor education way!!

**May 7th (Sunday) 7:00pm-8:15pm via ZOOM:**

This is a mandatory ZOOM MEETING in which we will be discussing the specifics of the 3-day, 2-night Ecology Canoe/Camping Trip. Your parents are welcome to attend this meeting and ask questions. We will go over all the details you need to know about this amazing, high-adventure, scientific trip. You will get to meet multiple professionals in the field of science and even work with them. PLEASE BE AVAILABLE FOR THIS MEETING.

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

**June 13th—15th, 2023 (Tues.—Thurs.) back-up dates that can be used are June 14th--17th**

3-DAY, 2-NIGHT ECOLOGY CANOE TRIP: (55 hours of your certification!) Discover how studies of all life and chemistry are put together in a tight interrelationship as we travel and collect samples down the upper Meramec River. Learn the physics of 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 31 hours of courses, 55 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.