



Fall Field Trip Information



Field trips are available at a **NOMINAL FEE** to schools in the CCISD and GOISD school districts!

The field trips will be \$30 per class per field trip. The CCISD will invoice each school at the end of the fall field trip season for a total number of field trips per school per season.

How to Schedule a Field Trip

Teachers should complete an online [Field Trip Request Form](#). (Click on this hotlink to view form.) On the form, select a program, several dates, and a location. After we receive your request, we will schedule your field trip and will send you a confirmation letter.

School should provide:

- First aid kit
- Chaperones (parent/teacher) for every 10 students.

Center will provide:

- Environmental science educator to lead the field trip
- All supplies needed for the field trip

Appropriate Dress

The weather can be very unpredictable. Please monitor weather conditions before your trip and require your students to **dress accordingly**. Shorts and sandals are discouraged.

Logistics

- You will meet your presenter(s) at the field trip site (unless other arrangements are made).
- If the school needs to cancel a field trip (in case of severe weather), please call the Center at 487-3341 or send an email to the Science Field Trip Coordinator at least 2-3 hours in advance!

Expectations for Student Behavior

Please discuss with students before the field trip:

- Stay with your group leaders; don't wander off.
- Don't litter (bring a plastic bag to pick up litter!).
- Respect the plants and animals in nature. This is their home. Behave the way you would at your friends' house.

Locations for Fall Field Trips:

- Baraga School Forest (near Pelkie)
- Bessemer City Park (Bessemer)
- Black Creek Nature Sanctuary (near Calumet)
- Calumet Waterworks Park & School Forest
- Ford Forestry Center (at Alberta)
- Lake Linden-Hubbell School Forest
- McLain State Park
- Michigan Tech. Recreational Trails
- Nara Nature Center
- Norrie Park (Ironwood)
- Your school
- *Suggest a site!*



To request a field trip:

Complete an online request form:

[Field Trip Request Form](#)

Or link to the request form from our website!

<http://wupcenter.mtu.edu/education/fnftrip.htm>

For more information, contact:

Outdoor Science Field Trip Coordinator
 Western U.P. Center for Science, Mathematics
 & Environmental Education
 Great Lakes Research Center, Michigan Tech University,
 1400 Townsend Drive,
 Houghton, MI 49931
 Fax: 906-487-1029 Tel: 906-487-3341

The Western Upper Peninsula Center for Science, Mathematics & Environmental Education is a partnership of Copper Country and Gogebic-Ontonagon Intermediate School Districts, and Michigan Technological University, serving 19 school districts and their communities in Baraga, Houghton, Keweenaw, Gogebic, and Ontonagon Counties.

Western Upper Peninsula Center for Science, Mathematics & Environmental Education



~ FALL 2014 ~

OUTDOOR SCIENCE FIELD TRIP PROGRAM for Grades K-8



Sept. 22 - Nov. 26, 2014



Fall Field Trip Program Descriptions for Grades K-8 (Select one program)

Pre-K & Kindergarten



Sense Detectives

By listening carefully and looking closely, students use their senses to interpret the world around them as they discover the living and nonliving parts of the forest. After identifying what all living things need to survive, students will search the forest for some of these needs. *Michigan GLEC's:* SCI: S.IP.00.11-14; S.IA.00.12-14; L.OL.00.11-12

Duration: ½ hour-1hour

Wildlife Is Everywhere!

Students will make observations and understand that wildlife is all around us. We will also compare the lives of wild animals and tame animals. Students will search the forest for the needs of wild animals. *Michigan GLEC's:* SCI: S.IP.00.11-14, S.IA.00.12-14, L.OL.00.11-12., SE.SE.00.11

Duration: ½ hour-1hour

GRADE 1

Bird Migration

While listening for birds, students will examine the questions: Why do birds migrate? What are some of the challenges they face during migration? Students will also classify and identify the characteristics of different birds. *Michigan GLEC's:* SCI: S.IP.01.11-12,14; S.IA.01.12-14; L.OL.01.13,21;L.HE.01.11-12

Duration: 1-1.5 hours

Weather Forecast

Students will be introduced to different tools used to measure weather. They will observe and record the temperature, cloud cover, precipitation and wind. They will investigate ways plants and animals have adapted to different types of weather. *Michigan GLEC's:* SCI: S.IP.01.11-12,14; L.OL.01.13; E.ES.01.11-12, E.ES.01.21-24; E.ES.01.31-32

Duration: 1-1.5 hours



GRADE 2

To Be a Tree and Seed Get-Aways



Students will investigate trees, focusing on what plants need to survive. They will describe the life cycle of familiar plants and compare the leaves and seeds of different trees. They will also participate in a scavenger hunt demonstrating the importance of different methods of seed dispersal. *Michigan GLEC's:* SCI: S.IP.02.11-12,14; S.IA.02.1-14; L.OL.02.14,22 L.HE.02.13

Duration: 1-1.5 hours

Wildlife Water Safari

We all need water! Students will identify different sources of water for the local wildlife, and then go for a short hike searching for water in the surrounding area. Students will also get practice writing in a nature journal. *Michigan GLEC's:* SCI: S.IP.02.11-14; S.IA.02.12-14; P.PM.02.12; L.OL.E.1-2.

Duration: 1-1.5 hours

GRADE 3

Have to Have Habitat & the Challenge of Survival



Students will observe some of the unique structures and functions of organisms and will investigate how plants and animals are adapted to their environments. They will also participate in multiple activities involving camouflage. *Michigan GLEC's:* SCI: S.IP.03.11-15; S.IA.03.11-15; S.RS.03.18; E.ES.03.52.

Duration: 1-1.5 hours

Glorious Galls

Students will learn about the life cycle of several species of insects that create their homes inside of plant growths called galls. They will then become field scientists looking for the presence of galls on different plants. *Michigan GLEC's:* SCI: S.IP.03.11-15; S.IA.03.11-15; S.RS.03.18; E.ES.03.52.

Duration: 1-1.5 hours

GRADE 4

Wildlife Signs and Survival

Students will go on a scavenger hunt to look for signs of wildlife. Through two activities, "Oh Deer!" & "How Many Bears?", they will investigate how differences in organisms might give them an advantage for survival and reproduction. *Michigan GLEC's:* SCI: S.IP.04.11-14; S.IA.04.12-14; S.RS.04.15,18; L.OL.04.16.L.EV.04.21-22.

Duration: 1.5 hours



Spiders & Insects

How are spiders different from insects? How are they similar? The students will learn about different types of spiders and insects while searching for webs, egg cases and other evidence. They will carefully record and analyze the data collected. Students will not handle spiders or insects. *Michigan GLEC's:* SCIS.IP.04.11-14; S.IA.04.12-14; S.RS.04.15,18; L.OL.04.16. L.EV.04.21-22; L.EC.04.11.21.

Duration: 1.5 hours

GRADE 5

Tree Identification

Using guidebooks and dichotomous keys, students will use observations of leaves, buds, bark, tree silhouettes, and branch patterns to help identify native trees species. Students will also be introduced to measurement of tree height and diameter. *Michigan GLEC's:* SCI: S.IP.05.11-16; S.IA.05.11-15; L.EV.05.12; L.EV.05.21

Duration: 1.5 hours



Aquatic Macroinvertebrate Stream Study



Students will collect, identify and inventory aquatic macroinvertebrates in one of our local streams. They will examine the organism's role in the food chain and as indicators of water quality in the environment. *Michigan GLEC's:* SCI: S.IP.05.11-16; S.IA.05.11-13; L.EV.05.11-12.

Duration: 1.5 hours

GRADE 6

Fabulous Fungi

Students will learn what fungus is and about its role as a decomposer in the forest ecosystem. They will hunt for the fruiting bodies (mushrooms) of fungus and classify what they find according to the nine major divisions of mushrooms. Students will also explore how mushrooms interact with their environment and other living things. *Michigan GLEC's:* SCI: S.IP.06.11-16; S.IA.06.11-13; L.OL.06.51-52. L.EC.06.22-23.

Duration: 1.5 hours



A Log's Life

Is there life in a decomposing log? Students will explore logs to examine the biodiversity of producers, consumers and decomposers. They will record their findings on data sheets and compare results. *Michigan GLEC's:* SCI: S.IP.06.11-16; S.RS.06.17; L.EC.06.11; L.EC.06.31-32,41-42.

Duration: 1.5 hours

GRADES 7-8

Possible topics include:

- Aquatic Macroinvertebrate Stream Study
- Fungi and Decomposition
- Tree ID
- Wildlife Signs and Survival