How to Schedule a Field Trip

Teachers should complete a [Field Trip Request Form] online. On the form, select a program, several dates, and a location. Your school is encouraged to schedule multiple field trips on the same day for different classes at different times. After we receive your request form, we will schedule your field trip and send you a confirmation letter.

Note: Concurrent lessons with two presenters will only be available in a limited fashion.

When scheduling, please be sure to allow enough time for us to be able to put on snowshoes (15 min.), in addition to the field trip. An hour is the minimum for a winter field trip. 1-1/2 hours to 2 hours is ideal, especially for upper elementary. Field trips are available to schools in the CCISD and GOISD school districts.

Cost: The field trips are $40 per class (up to 30 students). The CCISD will invoice each school at the end of the season for the total number of field trips provided for each school during that season.

Program Descriptions

Snowshoeing is part of all field trips, as long as conditions permit! AND we have snowshoes for tiny K-2 feet!

PRE-K & K

Gravity and Forces (1-1.5 hrs)
Students will investigate the push and pull forces on the snow-covered ground. They will also participate in sled activities involving friction and gravity. Standards addressed: K-PS2-1, K-PS2-2

GRADE 1

Camouflage (1-1.5 hrs)
What are two local animals that wear a white winter coat? We will take a closer look at these animals and how they are adapted for life in the snow. Standards addressed: 1-LS1-1, 1-LS3-1

Winter Warmth (1-1.5 hrs)
How do the animals in our forests keep warm on freezing cold winter days? Students will perform experiments using different types of animal insulation (feathers, wool, fur and lard) to discover techniques various animals use to keep warm. Standards addressed: 1-LS1-1, 1-LS3-1, K-2-ETS1-1, K-2-ETS1-3

GRADE 2

Stupendous Snowflakes (1-1.5 hrs)
Why do snowflakes have so many different shapes? Students will learn how snowflakes form and closely examine snowflakes. They will discover that snowflakes have six sides, and then create their own snowflake models out of sticks and snowballs. Standards addressed: 2-PS1-1, 2-ESS2-3

Let it Snow! Let it Melt! (1-1.5 hrs)
What makes snow and ice melt? Students make observations and draw conclusions about what makes ice melt, as well as, explore the properties of and differences between solids and liquids. Standards addressed: 2-PS1-1, 2-PS1-4, 2-ESS2-3
GRADE 3

**Beneath the Snow (1-1.5 hrs)**
Is there anything living under the snow? Actually, there is a flurry of activity occurring beneath the surface!
Students explore this winter world, searching for signs of animals on the snow, in galls, under bark, and beneath the snow. *Standards addressed: 3-LS4-3, 3-LS4-4, 3-LS3-2*

**Winter Birds (1-1.5 hrs)**
How do birds cope with the cold? Some birds migrate out of our area for winter, some migrate in, and some stay here year-round. Students will learn the names of some of our winter birds and the variety of survival techniques they use, as well as, search for signs of birds. *Standards addressed: 3-LS2-1, 3-LS4-3, 3-LS4-4, 3-LS3-2*

GRADE 4

**Best Insulator (1-1.5 hrs)**
Which socks should you wear to play outside—cotton, wool, fleece or quilted? Students will test the insulating qualities of these different materials, collect data, and create a graph of their findings. Standards addressed: 4-PS3-2, 4-LS1-1, 3-5-ETS1-1, 3-5-ETS1-2, 3-5-ETS1-3

**Think Small (1-1.5 hrs)**
Where do small mammals live in the winter, how do they stay warm, and what do they eat? Students will identify winter food webs and search for wildlife signs. *Standards addressed: 4-ESS3-1, 4-LS1-1, 4-LS1-2*

GRADE 5

**It’s Snow Good (1-2 hrs)**
Investigate the characteristics of that wonderful white substance that falls around us for months on end. Students will take measurements of snow volume at various depths, look closely at melting snow, and participate in a snow scavenger hunt. *Standards addressed: 5-PS1-2, 5PS1-3, 3-5-ETS1-3*

**Track & Tale (1-2 hrs)**
Finding tracks in the snow not only allows us to guess what critters passed by, but also what might have been happening at the time. Was there a chase? Was a rabbit nibbling quietly? What other types of animal sign can tell a story? Standards addressed: 5-LS1-1, 5-LS2-1

GRADE 6

**Winter Survival (1-2 hrs)**
Students will practice team building and survival skills as they work together to decide from a list of items that would be most useful: whistle, compass, tarp or tin can? We will explore the concept of “wind chill” and learn techniques for building a winter shelter. *Standards addressed: MS- ETS1-1, MS-ETS1-3*

GRADES 7-8 (All Field Trips 1-2 hrs)

**Physics of Snow**
Discover why snow and ice can take so many forms, from icicles, to drifts, to sheets of ice, to snowflakes.

**Wildlife Signs**
Students will search for tracks and other signs of animals and interpret what they find.

**Winter Survival**
How do animals adapt to the cold and find food, water and shelter? Students will participate in a variety of activities focusing on animal adaptations and survival.

**Winter Plants**
Students will gain experience identifying trees, shrubs, forbs, and weeds in the winter landscape and explore their importance to wildlife, insects and humans.
Required Clothing:
All students **MUST** wear hat, mittens or gloves, winter coat, snow pants and/or long underwear & winter boots (no tennis shoes allowed!!). Due to the added risk of being outdoors in the wintertime, Field Trip leaders have the option to not allow students to participate, if they are not appropriately dressed.

Meeting Location
You will meet your presenter(s) at the field trip site, unless other arrangements are made. All winter field trip locations listed below have a warming hut.

**Locations for Winter Field Trips:**
- Lake Linden-Hubbell School Forest
- Swedetown Ski Chalet
- Maasto Hiihto Ski Chalet
- Nara Chalet & Preserve
- Ottawa National Forest Visitor Center
- Paavola Wetlands
- MTU Ford Forestry Center
- Wolverine Ski Trails
- Your school
- Suggest a site (**warming hut required**)  

**Cancellation Policy:** the Center will not cancel any field trips due to weather, it is the responsibility of the teacher to decide if a field trip should be canceled. **To cancel a field trip, please email the Field Trip Coordinator at bwrought@mtu.edu at least 2 hours in advance (3 hours for Gogebic/Ontonagon schools).**

For more information, contact:
Brian Doughty, Field Trip Coordinator  
Email: bwrought@mtu.edu  
or 248-798-4382 (cell)

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