

# 2010-2011 RATES

TYPE OF GROUP	LENGTH	MINIMUM FEE	COST EACH (OVER MINIMUM)	DISCOUNTS AVAILABLE
School (K- 12 & college)	2 hours (K may request shorter lesson)	\$90	\$4.50/student	Bus Scholarship School Scholarship Full day (2 classes)= \$8/student Full day x 3 seasons = \$7/student/day Half day x 3 seasons = \$4/student/day
Scouts & Youth Organizations	2 hours	\$90	\$4.50/student	Bus Scholarship Full day (2 classes)= \$8/student Full day x 3 seasons = \$7/student/day Half day x 3 seasons = \$4/student/day
Early Childhood (call to request special EC Newsletter, The Preschool Peep)	1 hour	\$40	\$4/student	Bus Scholarship School Scholarship
Chaperone Fee			<ul style="list-style-type: none"> <li>All school staff free</li> <li>1 additional free parent chaperone per ten students</li> <li>\$4.50/additional adult</li> </ul>	
Snowshoe Rental, Canoe Rental & Ski Rental (in addition to program)			<ul style="list-style-type: none"> <li>Snowshoes &amp; canoes: \$1.50/student</li> <li>Skis: \$2.50/student</li> </ul>	
* Travel Fees			\$.30/mile/educator	
* Mileage Fee			\$.50/mile	(mileage fee changes with federal rate)
Energy Explosion on the Move!	50 minute presentation	\$270 for first two presentations	\$90 for each additional presentation	

## WHEN CALLING 724-6735, PLEASE HAVE READY:

School Name  
Grade & Number of Students  
Number of chaperones  
*(all school personnel free, 1 free parent chaperone per 10 students)*  
First & Second Choice for Dates  
Desired Time  
Location: HNC or your site \*  
Contact Name, Address, Phone, Email  
Any special needs of which we should be aware?  
Will you bring your lunch or snack to the center?  
*(\* we may be able to program at your site)*

## PLEASE NOTE HNC POLICIES!

- If you bring **more than 60 students**, you must schedule an entire day (2 classes) of programs, which qualifies you for a full-day discount; or you may prefer to split your group in half and come 2 half-days.
- If you bring fewer than 80% of the students listed in your reservation and do not call 24 hrs. in advance to adjust your reservation, we must bill for the number included in your original reservation to cover costs of additional contract teachers.

## SERVICE LEARNING OPPORTUNITIES

Hartley provides opportunities for teachers, scout leaders and others to bring groups into Hartley Park for meaningful community service projects. Past projects have included invasive species removal, trash clean-up and native species plantings. Hartley will supply materials and an introduction; group leaders are asked to provide supervision and follow-up to the experience back at school.

Afterschool programming similar to school sessions may be done in conjunction with a service project. Please call for rates and availability of scholarship funds.



**HARTLEY NATURE CENTER**  
WWW.HARTLEYNATURE.ORG  
3001 WOODLAND AVENUE  
DULUTH, MN 55803  
218-724-6735

Hours of operation:  
Monday-Friday 9 am-5 pm  
Saturday 10 am-5 pm  
Sunday 12-5 January-March only

Hartley Park is a city park open  
6 am—10pm.  
Enjoy hiking, biking & skiing.

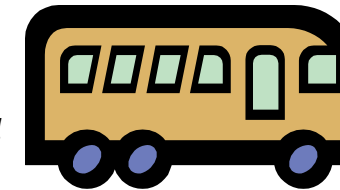
# HARTLEY HAPPENINGS

## 2010-2011

3001 Woodland Ave. Duluth, MN 55803    www.hartleynature.org    218.724.6735    fax 218.724.4891

## COME ON AND TAKE A FREE RIDE!

**YOUR TRIP TO & FROM HARTLEY MAY BE FREE! READ ON...**



**BUS SCHOLARSHIPS:** Transportation funds are limited and available on a first come, first served basis - so book now! Inquire as to availability of funds when making reservations, and note you will be asked to contact the bus company for an estimate. Busing scholarships available to **all visiting groups** in our 30-mile primary service area that utilize commercial transportation. Bus scholarships may be combined with other scholarships.

## OTHER SCHOLARSHIPS:

**SCHOOL SCHOLARSHIPS:** Available to schools with 55% or more of their students qualifying for the government free or reduced lunch program; this scholarship covers the cost of all student participants beyond the \$90 minimum fee for each program. Funds are limited, and on a first come, first served basis.

**FULL DAY & THREE SEASON INCENTIVE:** Book full days or multiple seasons and save. See back page.

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## THE BASIC HARTLEY FIELD TRIP

### What to Expect and How to Prepare

Your field trip is scheduled, permission slips are signed, lunches are on board and the day is off to a great start! What can you expect when you arrive at Hartley Nature Center?

A Hartley staff member will greet you as you exit the bus and would like to know a **final count of participating students**, and whether you prefer to pay your fees today or would like to be invoiced.

Classes at Hartley are generally **2 hrs in length** (exceptions: preschool; K upon request) and begin indoors with a brief introduction to Hartley Nature Center and the lesson for the day. Following the approximately 20-minute introduction, the larger group is broken into **smaller activity groups** (12-15 students each) to head outside. You can save time by bringing your class to HNC already divided into these smaller groups.

**All lessons are seasonally appropriate and will take place outdoors.** Lessons conclude in the field and groups meet back at the center to board the bus. In the case of *especially* inclement weather, alternative indoor activities stressing the same themes and concepts will be implemented. HNC will not cancel your booking due to weather. *HNC reserves the right to charge a cancellation fee and/or reschedule a cancelled field trip.*

If your group is having lunch at the center (before or after a class), recycling bins are available and an HNC staffer will give recycling instructions. All lessons can be modified to fit the needs of your group; please let us know about any special needs when scheduling. We look forward to learning with you!

*Special thanks to the Donald Weesner Foundation and the MN Lake Superior Coastal Program for their funding of our bus scholarship fund and to the Ordean Foundation and private donors who contributed to our school scholarship fund.*

# FIELD TRIP OPPORTUNITIES

Season	Class	K	1st & 2nd	3rd & 4th	5th & 6th	Upper
FALL	Birds: Fall Migration	X	X	X	X	X
	Animal Tracks & Traces	X	X	X	X	X
	Life in the Pond	X	X	X	X	X
	Beavers	X	X	X	X	X
	Trees	X	X	X	X	X
	Insects & Spiders	X	X			
	Crayfish Ecology			X	X	X
	Geology			X	X	X
	Weather			X	X	
	Stream Study				X	X
Mission Possible			4th	X	X	
Map & Compass				X	X	
Canoeing				X	X	
Energy Explosion				X	X	
Green Building				X	X	

WINTER	Birds: Winter Survival	X	X	X	X	X
	Animal Tracks	X	X	X	X	X
	Beavers	X	X	X	X	X
	Winter Ecology			X	X	X
	. Winter classes occurring in deep snow months will take place on snowshoes (\$1.50 snowshoe fee)					
Mission Possible			4th	X	X	
Cross Country Skiing			4th	X	X	
Energy Explosion				X	X	
Green Building				X	X	

SPRING	Birds: Spring Nesting	X	X	X	X	X
	Animal Tracks	X	X	X	X	X
	Life in the Pond	X	X	X	X	X
	Beavers	X	X	X	X	X
	Trees	X	X	X	X	X
	Plants	X	X			
	Crayfish Ecology			X	X	X
	Geology			X	X	X
	Weather			X	X	
	Stream Study				X	X
Mission Possible			4th	X	X	
Map & Compass				X	X	
Canoeing				X	X	
Energy Explosion				X	X	
Green Building				X	X	

## SCIENCE & ENVIRONMENT

### Birds: Fall Migration, Winter Survival, & Spring Nesting

Birds class makes a great 3-season course! Explore basic bird biology, identification, and binocular use (size appropriate binoculars for most groups), and learn about seasonal bird behaviors through observation and outdoor activities.

### Animal Tracks & Traces

Every animal leaves something behind! Be it tracks, scat, fur, or evidence of a home, classes gather clues about the lives of local animals while learning about their adaptations and habitat.

### Beavers

Beavers change the world! Change a classmate into a living example of beaver adaptations before hitting the trail to check out habitat and look for signs of beaver activity past and present.

### Geology

Learn about the rock cycle, statewide geology and identify the types of rocks in Hartley Park. Study glaciers and their impacts while tracing their movements.

### Weather

Use thermometers, wind gauges, barometers and meter sticks to take pertinent data and forecast what is to come. Activities help students to understand the water cycle, cloud formation, and larger global weather patterns.

### Stream Study

How healthy is Tischer Creek? Students conduct chemical analysis and record temperature, biotic quality and habitat observations to come to a conclusion. Great paired with canoeing.

### Trees

Classes vary according to your needs: little ones use senses to explore types and parts of trees, while older students identify, measure and age (using a tree borer to count rings) trees on a quest through the forest.

### Life in the Pond

The pond is full of life, both floating on top and deep in the mud. Use nets, identification sheets and more to catch and identify insect larvae, tadpoles and other pond dwellers.

### Winter Ecology

Conduct research and play in the snowpack, from temperature and structure of snow to its insulating properties. Discover the unique adaptations animals have that allow them to survive during the winter and use the snow cover to their benefit. Snowshoe rental fee \$1.50/student.

### Crayfish Ecology

Everybody's favorite omnivore, the crayfish, provides hours of fun as classes take to the streams to identify suitable habitat, meet its fellow water dwellers and search for the sometimes elusive animal. Students measure and sex crayfish to contribute data the HNC Crayfish Database.

### Plants

This introductory course explores the wide variety of plant life in the park while learning the names of plant parts and functions. Activities include concepts of water transport and pollination, all wrapped up in a fun package including songs, plays and exploration.

### Insects & Spiders

Learn about their bodies, behaviors, and relationships. With nets in hand, students will sweep through grass and overturn rocks and logs to catch them in action.

## OUTDOOR SKILLS & TEAMWORK

### Canoeing

Learn to paddle on Hartley Pond! This introductory paddle class must be done in conjunction with another 1/2 day environmental class (full day incentive applies). Rental fee \$1.50/student. Limit 30 students each session.

### Mission Possible

Combine teamwork, natural history, outdoor skills and adventure in this class designed to engage students in problem solving and community building. Includes group initiatives, map & compass, and ecological concepts in a giant scavenger hunt through Hartley Park.

### Map & Compass

Learn compass basics and try your new techniques in the woods. A wide variety of courses and activities ensure that all skill levels can be accommodated.

### Cross Country Skiing

Learn to swish with the best of them in this introductory ski lesson. Class must be done in conjunction with another 1/2 day environmental class. Full day incentive applies. Rental fee \$2.50/student. Limit 30 students each session.

## SUSTAINABLE TECHNOLOGIES

### Energy Explosion with the Electron!

Learn about alternative energy sources and conservation using our energy education trailer. Two hours of activities and demonstrations including solar, wind, biodiesel, hydro and human power. Musical instruments, gadgets, and games make this a great selection.

### Green Building

This hands-on course uses experiments and a scavenger hunt to explore our facility's electric and thermal energy systems as well as its emphasis on green building materials. Students use real-time data to gauge performance of the facility's solar array and ground-source heat pump. The class culminates with an interactive presentation focusing on the design and construction of our Executive Director's off-the-grid home. Can be taught as a 1-hour or 2-hour class.

### Energy Explosion on the move!

It's true! We can come to you with this interactive outdoor program. A 50-minute program and fee structure are ideal for rotation of classes throughout the school day. Program can be done indoors if your site has suitable access for the Electron trailer.