

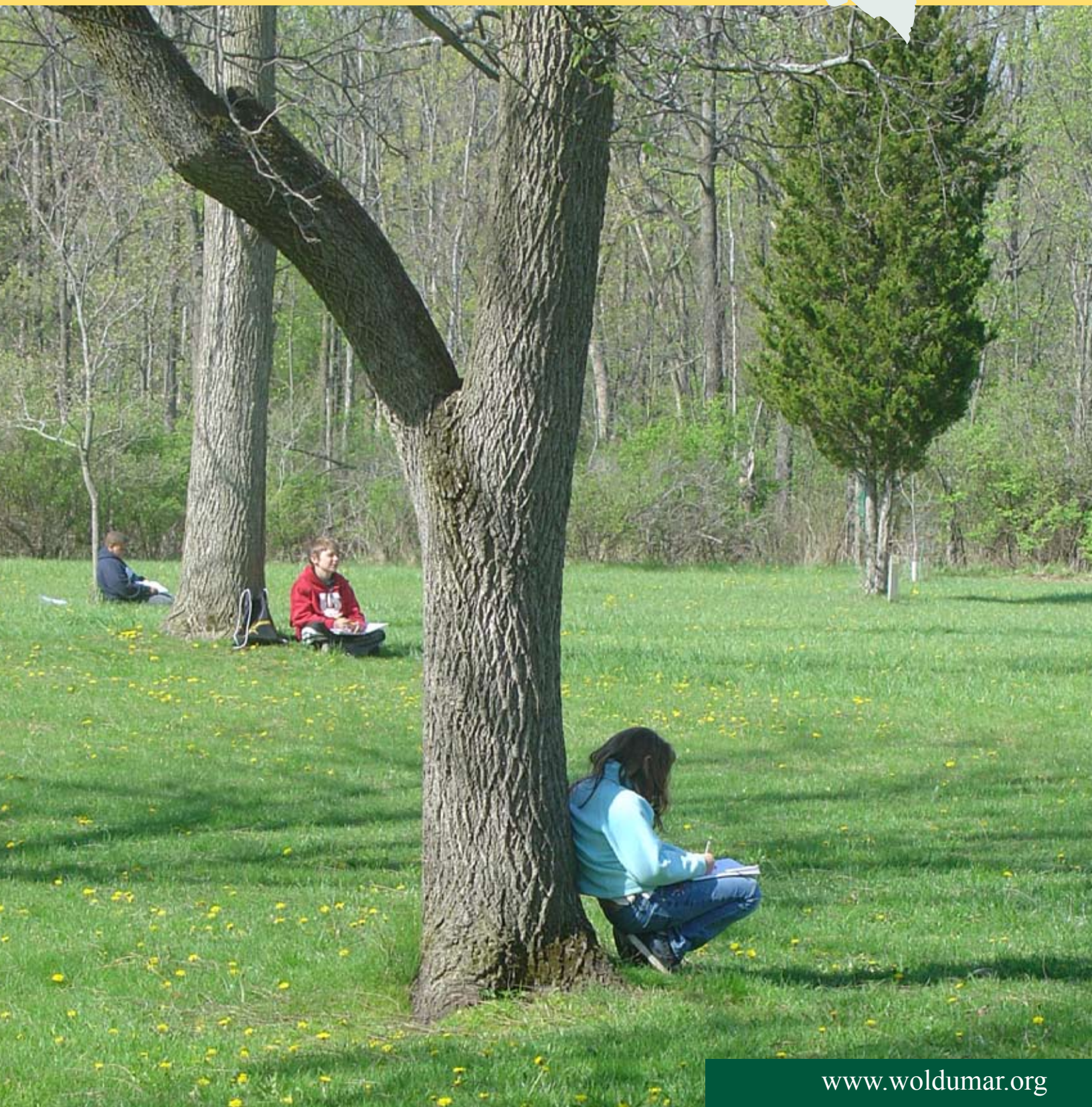


**WOLDUMAR**  
NATURE CENTER

Environmental Education & Preservation

Possibilities  
for programs  
are limited  
only to your  
imagination!

## SCHOOL PROGRAMS 2010-2011







## Dear Educator:

Welcome to the 2010 - 2011 school year!

There is no place better to support your classroom efforts than here at Woldumar Nature Center. Our trails and featured areas are groomed and ready for your visit. Whether it is fall, winter or spring, you'll find the experience satisfying for you and your students. With all of our programs tailored to the Michigan Department of Education Grade Level Content Expectations (GLCEs), we're making it easier to enjoy and learn about the natural environment. This correlation makes our programs curriculum specific and grade appropriate.

We know that this year is tougher than ever for schools to support field trips. Through collaborations with Lansing area residents and organizations, we are proud to be able to significantly decrease the cost of our programs for you. We hope that this will allow you and your students to study and enjoy science and nature at Woldumar.

As educators we know that hands-on, active learning helps students comprehend and retain essential knowledge. All of our programs are designed to help students of all learning abilities interact with and discover the natural world.

We have over 25 field trip and traveling naturalist programs for you to choose from, and any of our programs can be customized to your needs. Programs are offered during and after school hours. Please contact us by email, [lena@woldumar.org](mailto:lena@woldumar.org), or by phone at (517) 322-0030 with any questions.

We at Woldumar Nature Center look forward to working with you to bring great experiences and opportunities for learning to your students.

Sincerely,

Lena Swehla  
Education Coordinator



Woldumar's mission is  
to educate people  
about the natural  
environment.

## Program Fees

### Field Trip (FT) Programs

**One hour FT:** \$4.00 per student (\$3.50 per student if 2 or more classes will be attending the same program at the same time.) For **Pre-school** and **Kindergarten** only. \$75 minimum per class.

**Two hour FT:** \$5.00 per student (\$4.50 per student if 2 or more classes will be attending the same program at the same time.) \$120 minimum per class.

**Full day FT:** \$10.00 per student (\$8.50 per student if 2 or more classes will be attending the same program at the same time.) \$225 minimum per class.

### FT Programs at a glance

	Pre-K	K	1st	2nd	3rd	4th	5th	6th	7th	8th
Animal Homes and Niches	X	X	X							
Beasts With Backbones					X	X	X			
Bird Buddies			X			X	X			
Fantastic Forests							X	X	X	X
Got to Eat and Run						X	X	X		
Groundwater Adventures				X				X	X	X
Impressions of Nature	X	X	X	X	X	X	X	X	X	X
Insect Safari			X	X	X	X	X			
Let's Rock					X	X	X	X	X	X
Living Lightly With the Earth					X	X	X	X		
Nature Detectives	X	X	X	X	X					
Pond Pals			X	X	X	X	X	X		
Powered By Plants			X	X	X	X				
Reflections of a Pioneer Child		X	X	X	X	X	X	X	X	
Sugaring Celebration			X	X	X	X	X	X	X	
Walk With a Naturalist	X	X	X	X	X	X	X	X	X	X
Web of Life						X	X	X	X	
Winter Ecology				X	X	X	X	X	X	X

### Traveling Naturalist (TN) Programs

**One hour TN:** \$3.50 per student. \$85 minimum per class.

**Two hour TN:** \$5.00 per student. \$120 minimum per class.

### TN Programs at a glance

	Pre-K	K	1st	2nd	3rd	4th	5th	6th	7th	8th
Amphibians and Reptiles	X	X	X	X	X	X	X	X	X	X
Aquifer Adventures				X	X	X	X	X	X	X
Fantastic Flappers			X			X	X			
Geology Explorers					X	X	X	X	X	X
Marvelous Macroinvertebrates			X	X	X	X	X	X	X	X
Mystery Mammals	X	X	X	X	X	X	X	X	X	
Portable Ponds			X	X	X	X	X	X	X	X
The 3 Rs of Recycling					X	X	X	X	X	X
Wild and Rare					X	X	X	X	X	X

There is an additional mileage fee of \$0.75 per mile over ten miles round trip.



## General School Program Information

### Chaperones:

Woldumar permits up to 6 adult chaperones plus 1 classroom teacher or instructor per class - a total of 7 adults per class. For one-hour pre-school and kindergarten programs, Woldumar permits a maximum of 9 adults including teachers and classroom aides.

You are responsible for admission fees for any additional people that exceed the permitted number; this includes adults as well as additional children who are not on your class roster. Chaperone guidelines are included in the confirmation packet sent when you register.

We strongly recommend that you brief your chaperones according to our guidelines to help them feel comfortable and to help them provide an optimum learning environment for your students.

**Teachers and chaperones are responsible for student behavior.**

## Field Trip (FT) Programs

**A truly unique and personal education experience awaits your students at Woldumar.** Single field trip programs are two hours long for 1st-8th grade students, one hour for Pre-K and Kindergarten students. Full-day field trips are a popular option and suitable for 2nd-8th grade. A full-day field trip combines two programs to provide a deeper, more meaningful learning experience for your students. Please refer to the end of this section for program pairings. All field trips include interactive games, exploratory hikes and participatory activities.

### Animal Homes and Niches

Grade: PreK-1

When: Year Round

Length: 1 to 2 hours

Maximum 3 classes of 30 students or less

Top  
Pick

Students will develop an understanding about where animals live and how each living thing has a role in its community. Both living and non-living components of the environment will be explored in relation to habitats, survival and the essential needs of all animals.

GLCE Science Correlations: S.IP.00.12, 13; L.OL.00.11, 12; S.IP.01.12, 13; L.OL.01.13, 21; L.HE.01.11, E.SE.01.12.

### Beasts With Backbones

Grade: 3-5

When: Year Round

Length: 2 hours

Maximum 3 classes of 30 students or less

Help your students learn how to classify animals by focusing on their adaptations and behaviors. Interactive activities and habitat exploration will help your group understand the differences between birds, fish, amphibians, reptiles and mammals.

GLCE Science Correlations: S.IP.03.12; S.RS.03.18; L.OL.03.32, 42; L.EV.03.12; E.ES.03.41, 51; S.IP.04.12, 13; S.RS.04.15, 18; L.OL.04.16; L.EV.04.21, 22; S.IP.05.11; S.RS.05.17; L.EV.05.11, 12.

### Bird Buddies

Grade: 1, 4-5

When: Year Round

Length: 1.5 to 2 hours

Maximum 3 classes of 30 students or less

Students will gain an appreciation for the basic needs, physical characteristics and survival strategies of our feathered friends. Older students will take a closer look at adaptations and how they contribute to bird survival and the roles of birds in the ecosystem.

GLCE Science Correlations: S.IP.01.12, 13; L.OL.01.13, 21; L.HE.01.11; S.IP.04.12; S.IA.04.13; S.RS.04.18; L.OL.04.16; L.EV.04.21; S.IP.05.11; S.RS.05.17; L.EV.05.11, 12.

### Fantastic Forests

Grade: 5-8

When: Year Round

Length: 2 hours

Maximum 3 classes of 30 students or less

Students will examine how non-living things influence life in the forest and learn about ecological relationships of this fascinating ecosystem. The program concludes with a field comparison of white pine and maple-beech forests.

GLCE Science Correlations: L.OL.06.29; L.EC.06.31, 32, 35 - 39; L.OL.07.37, 38.

## Got to Eat and Run

Grade: 4-6

When: Year Round

Length: 2 hours

Maximum 3 classes of 30 students or less

Fun and excitement are guaranteed as your students learn about the dynamic relationship between predator and prey. Through role-playing and exploration, your group will directly experience the survival strategies and adaptations of the hunter and the hunted.

GLCE Science Correlations: S.IP.04.12; S.IA.04.13; S.RS.04.15, 18; L.OL.04.16; L.EV.04. 21, 22; L.EC.04.11, 21; S.IP.05.11; S.RS.05.17; L.EV.05.11, 12; S.IP.06.11; S.RS.06.17; L.OL.06.51, 52; L.EC.06.11, 21, 22, 23, 31, 32, 41

## Groundwater Adventures

Grade: 2, 6-8

When: Year Round

Length: 2 hours

Maximum 2 classes of 30 students or less

Participatory activities, hands-on water experiments and a hike on the trails in search of water habitats will introduce students to the water cycle, the movement of water through the ground and human impact on water quality.

GLCE Science Correlations: S.IP.02.12; E.SE.02.21; E.FE.02.11, 12, 13, 14; S.IP.06.11; S.RS.06.17; E.SE.06.11, 12, 13, 14; S.IP.07.11; S.RS.07.17; E.ES.07.81, 82.

## Impressions of Nature

Grade: Pre K-8

When: Year Round

Length: 1.5 to 2 hours

Maximum 2 classes of 30 students or less

Let nature bring out the artist in your students! Bring them to Woldumar and let the beauty of their surroundings inspire them to interpret natural science through creative expression. Projects can focus on language or fine art. Additional fees may apply.

GLCE Correlations - Art: Performing in Visual Arts, 1 and 2; Creating Visual Arts 4

Science: S.IP.00.11, 12, 13; L.OL.00.12; S.IP.01.11, 12, 13; S.IP.02.11, 12, 13; S.IP.03.11, 12, 13; S.IA.03.13; E.ES.03.41; S.IP.04.11, 12, 13; L.EV.04.21.

## Insect Safari

Grade: 1-5

When: Fall, Spring and Summer

Length: 2 hours

Maximum 2 classes of 30 students or less



Experience the fascinating world of insect adaptations and life cycles. Using special collecting equipment, students will go “buggy” as they embark on a journey through forests and fields in search of six-legged creatures.

GLCE Science Correlations: S.IP.01.12, 13, 14; L.OL.01.21; L.HE.01.11; S.IP.02.12, 13, 14; S.IP.03.12, 13, 14; S.RS.03.18; L.OL.03.32, 42; L.EV.03.12; E.ES.03.41; S.IP.04.12, 13, 14; S.IA.04.13; S.RS.04.15, 18; L.OL.04.16, 21, 22; L.EC.04.11, 21; S.IP.05.11, 13; S.RS.05.17; L.EV.05.11, 12.

## Let's Rock

Grade: 3-8

When: Year Round

Length: 2 hours

Maximum 3 classes of 30 students or less

Fossils, rocks and minerals oh my! A landform hike and hands-on experiments help students discover Earth processes and Michigan geology.

GLCE Science Correlations: S.IP.03.12, 13, 14; S.IA.03.13; S.RS.03.18; E.ES.03.41, 51; E.SE.03.13, 14, 22, 31; S.IP.06.11, 13; S.RS.06.17; L.EC.06.41; E.SE.06.11, 12, 13, 14, 41, 51, 52, 53.



## Physical Education GLCEs

All of our Field Trip Programs involve a game or activity to get your students up and moving while they learn. These games allow your students to learn skills that relate to Feedback, Movement Concepts, Motor Skills, Outdoor Pursuits, Target Games, Net/Wall Games, Striking/Fielding Games, Participation Inside/Outside of Physical Education, and Personal/Social Behaviors.







## General School Program Information

### Cancellations:

If you choose to cancel a program, you must notify Woldumar of the cancellation no less than one full week before the day of your program for a full refund.

If you cancel with less than one week's notice, Woldumar will refund half of your program fees. If cancellation is due to weather as determined by the Woldumar Naturalists, you will receive a full refund.

In the event of inclement weather during a program, we will modify activities and/or provide alternative activities. This may result in a shortened program.

If severe weather arises during an outdoor activity, the program will be immediately moved indoors for the safety of all participants. This may result in a shortened program.

**Be sure  
you and your  
students dress for  
the weather!**

6

517-322-0030

### Living Lightly with the Earth

Grade: 3-6  
Length: 2 hours

When: Year Round  
Maximum 2 classes of 30 students or less

A series of traditional activities will help students learn about the deep connections Native Americans have with the Earth and develop a greater appreciation and respect for the environment through investigation of this culture.

GLCE Correlations - Science: S.RS.04.19; S.RS.05.19; S.RS.06.19; S.RS.07.19; E.ES.07.41, 42. Social Studies: K-GS.0.1; 3-HS.0.4, 5, 6, 8; 3-G4.0.4; 3-E1.0.3; 5-U1.1.3, 4.1; 6-H1.4.1; 6-W1.1.2; 6-W2.1.3; 7-H1.1.1, 2.1, 4.1, 4.2.

### Nature Detectives

Grade: PreK-3  
Length: 1.5 to 2 hours

When: Year Round  
Maximum 3 classes of 30 students or less

Sensory experiences will help your group discover how animals use their senses for survival. Students will use their senses to find wildlife "clues" indicating sources of food, water and shelter.

GLCE Science Correlations: S.IP.00.11, 12, 13; L.OL.00.11, 12; E.SE.00.11; S.IP.01.11, 12, 13; L.OL.01.13; E.SE.01.12; S.IP.02.11, 12, 13; S.IP.03.11, 12, 13; S.RS.03.18; E.ES.03.41.

### Pond Pals

Grade: 1-6  
Length: 2 hours

When: Fall, Spring, Summer  
Maximum 2 classes of 30 students or less

Following an introduction to aquatic habitats and wetland issues, students will hike to a woodland pond to explore the aquatic life in this unique habitat. Students will use investigative tools to learn firsthand about the water cycle, pond ecology and aquatic life cycles.

GLCE Science Correlations: S.IP.01.12, 13, 14; L.OL.01.21; L.HE.01.11; E.SE.01.12; S.IP.02.12, 13, 14; E.FE.02.11, 13; S.IP.03.12, 13, 14; S.RS.03.18; L.OL.03.32, 42; L.EV.03.12; E.ES.03.41; E.ES.03.51, S.IP.07.11, S.IP.07.13, S.RS.07.71, E.ES.07.42, E.ES.07.81, E.ES.07.82

### Powered by Plants

Grade: 1-4  
Length: 2 hours

When: Fall, Spring, Summer  
Maximum 3 classes of 30 students or less

Where would we be without plants? Ponder this question through a series of activities that highlight plant diversity, anatomy and habitat. Fall programs will emphasize color changes and seed dispersal while spring and summer programs will highlight new growth.

GLCE Science Correlations: S.IP.01.12; E.ES.01.12; E.SE.01.12; S.IP.02.12; L.OL.02.14; L.OL.02.22; L.HE.02.13; S.IP.03.12; S.RS.03.18; L.OL.03.31, 41; L.EV.03.11.

### Reflections of a Pioneer Child

Grade: K-7  
Length: 2 hours

When: Year Round  
Maximum 2 classes of 30 students or less



A visit to the 1860s Moon Log Cabin and an exploration of pioneer activities link students with a piece of Michigan's history. A hike emphasizing plant and animal use during the pioneer era highlights human interaction with the Earth over time.

GLCE Science Correlations: S.RS.04.19; S.RS.05.19; S.RS.06.19; S.RS.07.19; E.ES.07.41, 42. Social Studies: K-H2.0.4; K-GS.0.1; 1-H2.0.5, 0.6, 2-H2.0.1, 0.3, 0.4; 3-H3.0.7, 0.8; 4-H3.0.2, 0.4; 5-U1.2.2, 4.2; 5-U2.3.3; 6-H1.2.1, 4.1; 6-W1.2.2; 6-W2.1.1; 7-H1.1.1, 2.1, 4.1, 4.2; 7-W1.2.1.

### Sugaring Celebration

Grade: 1-7  
Length: 2 hours

When: February 22, 2010 - March 26, 2010  
Maximum 2 classes of 30 students or less

We'll travel back in time to explore our cultural heritage and the magic of maple syrup in the 1800's. Through hands-on syrup related activities and a hike on the trails, students will explore the history of maple syrup in Michigan.

GLCE Science Correlations: E.ES.01.12; L.OL.03.11; S.RS.04.19; S.RS.05.19; S.RS.06.19; S.RS.07.19; E.ES.07.41, 42.

## Walk With a Naturalist

Grade: PreK-8

Length: 1 to 2 hours

When: Year Round

Maximum 3 classes of 30 students or less

Top  
Pick

Travel through various habitats with one of our Naturalists to learn about the wonders of nature. From fall colors to winter tracks to spring wildflowers, students are sure to see something exciting through the “teachable moment.”

GLCE Science Correlations: S.IP.00.11, 12; L.OL.00.12; E.SE.00.11; S.IP.01.11, 12; E.ES.01.21, 22; E.SE.01.12; S.IP.02.11, 12; S.IP.03.11, 12; S.RS.03.18; S.IP.04.11, 12; S.IA.04.13; S.RS.04.18; S.IP.05.11; S.RS.05.17; L.EV.05.11, 12.

## Web of Life

Grade: 4-7

Length: 2 hours

When: Year Round

Maximum 3 classes of 30 students or less

Students will experience the fundamental processes of the water, air and nutrient cycles as they participate in several interactive activities. A hike emphasizing these natural cycles will instill a better understanding and appreciation of the fragile processes of our planet.

GLCE Science Correlations: S.IP.04.12; S.IA.04.13; S.RS.04.15, 18; L.OL.04.15, 16; L.EC.04.11, 21; S.IP.05.11; S.RS.05.17; L.EV.05.11, 12; S.IP.06.11; S.RS.06.17; L.OL.06.51, 52; L.EC.06.11, 21; L.EC.06.22, 23, 31, 32, 41.

## Winter Ecology

Grade: 2-8

Length: 2 hours

When: Winter

Maximum 3 classes of 30 students or less

Learn how Michigan’s plants and animals spend the winter months. Wildlife adaptations to the cold and snow will be highlighted. After a series of indoor activities, we’ll walk the trails looking for signs and tracks of cold weather critters and identify plants in winter.

GLCE Science Correlations: S.IP.12, 13; E.FE.02.14; S.IP.03.12, 13; S.RS.03.18, L.EV.03.11; 12; E.ES.03.41, 51, S.IP.04.12, 13; S.RS.04.15, 18; L.EV.04.22; L.EC.04.21; S.IP.05.11; S.RS.05.17; L.EV.05.11, 12; S.IP.06.11; S.RS.06.17; L.EC.06.31, 32, 41.

## Full Day Field Trips

### Combine field trip programs for a full day of the Woldumar experience.

The following combinations meld together well and provide a great learning experience for your students. A full day trip generally begins at 9:30 a.m. and ends at 2:30 p.m. with a break for lunch from 11:30 a.m. to 12:00 p.m.

- 🐾 Beasts With Backbones & Got to Eat and Run
- 🐾 Beasts With Backbones & you select one vertebrate group (Amphibians, Birds, Fish, Mammals, or Reptiles) for intensive study
- 🐾 Fantastic Forests & Got to Eat and Run
- 🐾 Groundwater Adventures & Pond Pals
- 🐾 Groundwater Adventures & Web of Life
- 🐾 Impressions of Nature & any program
- 🐾 Let’s Rock & Groundwater Adventures
- 🐾 Living Lightly with the Earth & Reflections of a Pioneer Child
- 🐾 Pond Pals & Insect Safari
- 🐾 Powered by Plants & Insect Safari
- 🐾 Reflections of a Pioneer Child & Sugaring Celebration
- 🐾 Web of Life & Fantastic Forests
- 🐾 Winter Ecology & Sugaring Celebration



## General School Program Information

### Lunch:

Outdoor space is available for sack lunches on the lawn. A few picnic tables are available on a first-come first-served basis courtesy of the Capital Region Community Foundation.

While we will do our best to accommodate your group, please be aware that space is limited and the weather can be unpredictable.

### The Woldumarket Gift Shop:

Your students will have the opportunity to visit the Woldumarket at the end of your field trip. If you plan to stay for lunch, or plan to arrive early for lunch, the gift shop will be open during tht time.





## Additional Learning Opportunities

Expand your students' learning by scheduling additional time at Woldumar with your class. Spend more time exploring the trails or complement the program with writing or reflection time. There is no additional fee for expanded use of Woldumar's trails and grounds. Fees may apply if indoor space is requested. Please contact us if you have any requests or suggestions.

### TRAC

We also have our TRAC (Team-Building Ropes and Activity Course), a low-ropes course, available April - October for an additional fee.



## Traveling Naturalist (TN) Programs

If you can't get away to visit us, why not do the next best thing? Invite a Woldumar naturalist into your classroom, schoolyard or local park. These programs enrich your students' knowledge and appreciation of nature and enhance your curriculum. Programs can be one or two hours long and are designed for one class at a time. One-hour programs include a variety of hands-on activities, games and instruction. Additionally, two-hour programs include time outside of the classroom (weather permitting) and are customized for the natural area near your school.

### Amazing Amphibians and Remarkable Reptiles

Grade: PreK - 8

Length: 1 to 2 hours

Maximum 30 students per class

Meet some live amphibians and reptiles up close and personal! Students will learn about adaptations and habits of these fantastic animals. Older students will also discuss the classification of reptiles and amphibians.

GLCE Science Correlations: S.IP.00.11, 12; L.OL.00.11; S.IP.01.11, 12; L.OL.01.13, 21; L.HE.01.11; S.IP.02.11, 12; S.IP.03.11, 12; L.OL.03.32, 42; L.EV.03.12; S.IP.04.11, 12; L.OL.04.16; L.EV.04.21, 22; L.EC.04.11; S.IP.05.11; L.EV.05.11, 12; S.IP.06.11; L.OL.06.51; S.IP.07.11.

### Aquifer Adventures

Grade: 2-8

Length: 1 hour

Maximum 30 students per class



Students will explore the movement of water through the ground and human impacts on water quality through a series of hands-on activities and creative visual demonstrations that will inspire students to care for our water resources.

GLCE Science Correlations: S.IP.02.11, 12, 13; E.FE.02.11, 12, 13, 21, 22; S.IP.06.11; S.RS.06.17; L.EC.06.14; E.SE.06.14; S.IP.07.11; S.RS.07.17; E.ES.07.41, 42, 81, 82; E.ES.03.36-42; L.EC.04.35; S.IR.05.13; E.ES.06.49, 50, 54.

### Fantastic Flappers

Grade: 1, 4-5

Length: 1 to 2 hours

Maximum 30 students per class

Students will study the basic needs, physical characteristics, adaptations and survival strategies of our feathered friends. Older students will also take a closer look at feather, feet and beak adaptations. Bird watching is incorporated into two-hour programs.

GLCE Science Correlations: S.IP.01.12, 13; L.OL.01.13, 21; L.HE.01.11; S.IP.04.12; S.IA.04.13; S.RS.04.18; L.OL.04.16; L.EV.04.21; S.IP.05.11; S.RS.05.17; L.EV.05.11, 12.

### Geology Explorers

Grade: 3-8

Length: 1 to 2 hours

Maximum 30 students per class

What's the difference between a rock and a mineral? What is a fossil? Students will be able to answer these questions and more about Earth processes and Michigan geology through hands-on experiments and interesting artifacts.

GLCE Science Correlations: S.IP.03.12, 13, 14; S.IA.03.13; S.RS.03.18; E.ES.03.41, 51; E.SE.03.13, 14, 22, 31; S.IP.06.11, 13; S.RS.06.17; L.EC.06.41; E.SE.06.11, 12, 13, 14, 41, 51, 52, 53.



## Marvelous Macroinvertebrates

Grade: 1-8

Length: 1 to 2 hours

Maximum 30 students per class

Experience the fascinating world of insect adaptations and life cycles. Students have the opportunity to look under logs and catch insects for close-up study.

GLCE Science Correlations: S.IP.01.12, 13, 14; L.OL.01.21; L.HE.01.11; S.IP.02.12, 13, 14; S.IP.03.12, 13, 14; S.RS.03.18; L.OL.03.32, 42; L.EV.03.12; E.ES.03.41; S.IP.04.12, 13, 14; S.IA.04.13; S.RS.04.15, 18; L.OL.04.16, 21, 22; L.EC.04.11, 21; S.IP.05.11, 13; S.RS.05.17; L.EV.05.11, 12.

## Mystery Mammals

Grade: PreK-7

Length: 1 to 2 hours

Maximum 30 students per class

What makes a mammal a mammal? This and other mammal mysteries will be solved as students investigate Michigan mammals through activities and the use of artifacts.

GLCE Science Correlations: S.IP.00.11, 12; L.OL.00.11; S.IP.01.11, 12; L.OL.01.13, 21; L.HE.01.11; S.IP.02.11, 12; S.IP.03.11, 12; L.OL.03.32, 42; L.EV.03.12; S.IP.04.11, 12; L.OL.04.16; L.EV.04.21, 22; L.EC.04.11; S.IP.05.11; L.EV.05.11, 12; S.IP.06.11; L.OL.06.51; S.IP.07.11.

## Portable Ponds

Grade: 1-8

Length: 1 to 2 hours

Maximum 30 students per class

Students will use investigative tools to learn firsthand about the water cycle, pond ecology and aquatic life cycles. Two-hour programs can include an on-site pond study at your school.

GLCE Science Correlations: S.IP.01.12, 13, 14; L.OL.01.21; L.HE.01.11; E.SE.01.12; S.IP.02.12, 13, 14; E.FE.02.11, 13; S.IP.03.12, 13, 14; S.RS.03.18; L.OL.03.32, 42; L.EV.03.12; E.ES.03.41; E.ES.03.51, S.IP.07.11, S.IP.07.13, S.RS.07.71, E.ES.07.42, E.ES.07.81, E. S.07.82.

## The 3 R's of Recycling

Grade: 3-8

Length: 1 hour

Maximum 30 students per class

Explore the impact of waste on our environment and the vital need to reduce, reuse and recycle. Demonstrations and activities teach important methods of reducing solid waste.

GLCE Science Correlations: S.IP.03.11, 12, 13; S.RS.03.18, 19; E.ES.03.41, 42, 43, 44, 51, 52; S.IP.04.11, 12, 14; S.IA.04.13; S.RS.04.15, 18, 19; S.IP.05.11, 13; S.IA.05.13; S.RS.05.18, 19; S.IP.06.11, 13; S.IA.06.13; S.RS.06.17, 19; L.EC.06.41; S.IP.07.11, 13; S.RS.07.17, 19; E.ES.07.41, 42.

## Wild and Rare

Grade: 3-8

Length: 1 hour

Maximum 30 students per class

Issues and factors contributing to the danger of extinction are presented through fun, informative activities that focus on diversity and environmental change and ways students can help.

GLCE Science Correlations: S.IP.03.11, 12; S.RS.03.18; E.ES.03.41, 42, 51, 52; S.IP.04.11, 12, 13; S.IA.04.13; S.RS.04.15, 18, 19; L.EC.04.21; S.IP.05.11, 13, 16; S.RS.05.17, 19; L.HE.05.11, 12; L.EV.05.11, 12, 14; S.IP.06.11, 13, 16; S.IA.06.13; S.RS.06.17, 18, 19; L.EC.06.11, 21, 22, 23, 32, 41, 42; S.IP.07.11, 16; S.RS.07.17, 18, 19; E.ES.07.41, 42.



Top  
Pick

## Comments from Educators

**“My students and chaperones thoroughly enjoyed themselves and learned much!”**

**“The naturalist taught at an appropriate level, and he held their interest. He was very informative.”**

**“Thank you for tailoring a program to meet our teaching goals and state standards!!”**

**“Very age-appropriate and interactive.”**

**“The program was wonderful & our naturalist was very patient and friendly to our class.”**

## Our Staff

Woldumar utilizes a professional staff, college students and volunteers who have credentials in natural science and environmental education.



## A Little Bit About Woldumar

In the mid-1960s a group was formed to develop a conservation education program for young people. Woldumar Nature Association, Woldumar's parent organization, is the result. Mrs. Gladys Olds Anderson, daughter of automotive pioneer Ransom Eli Olds, generously donated half of her dairy farm to the association. The equipment storage barn soon became classroom space and administrative offices. In the early 1980s the Moon Log Cabin was donated and moved to Woldumar for our cultural heritage program.

Today we operate Camp Discovery which serves approximately 600 children, ages 4-16 each summer. In addition, our school and community outreach programs reach over 40,000 children and adults every year.

We offer numerous outreach and on-site Environmental Education programs for children as well as adults. Over 5 miles of trails await you on 178 acres of woodland, prairie, river-side and pine forest. Hike or ski anytime between dawn and dusk for a \$1 per person donation that will help to keep our trails maintained.

## School Program Registration Information

### Registration:

To register for a program, please fill out the reservation form and send it by mail or fax. Electronic forms can be found on our website and may be emailed to [lena@woldumar.org](mailto:lena@woldumar.org).

You may also register by phone at (517) 322-0030 between 10 a.m. - 5 p.m. Tuesday through Friday. Registrations require a minimum one month notice.

### Payment:

Payment for programs is due two weeks before the day of the program and is based on the number of students at the time of reservation. In the event that you have more people than you initially registered, you will be responsible for payment for those individuals. Payment can be made by check or credit card. Make checks payable to: Woldumar Nature Center. There is a \$30.00 fee for all returned checks.

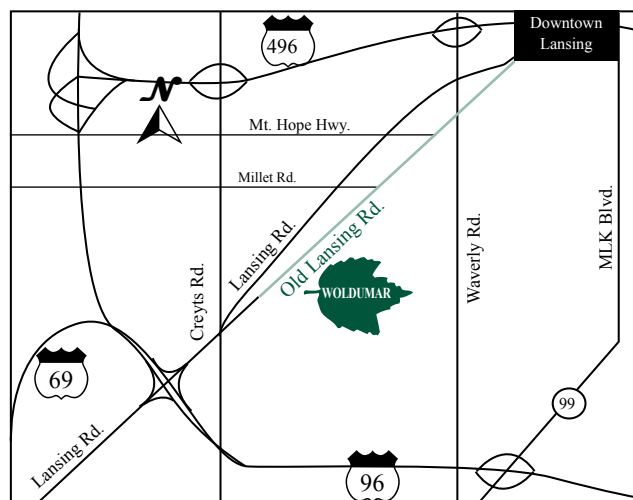
Become a  
Woldumar Member  
and receive a  
\$1 discount per  
student in your  
class!



## How to Find Us

**From I-96:** Take the Lansing Road north exit. Go past the first stop light and veer to the right on Old Lansing Road. Woldumar is 1/4 of a mile down on the right.

**From I-496:** Take the Waverly Rd exit. Turn south on Waverly Rd. Proceed past the railroad tracks to the second light at the intersection of Old Lansing Road. Turn right on Old Lansing Road. Woldumar is 2 miles down on the left.







# WOLDUMAR NATURE CENTER

## Program Reservation Form

Please Fax, mail or email your program reservations

fax (517) 322-9394 email [lena@woldumar.org](mailto:lena@woldumar.org)

Registrations are taken first come first serve.

We will contact you as soon as possible to confirm your program or to alert you to scheduling conflicts.

Organization Name: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Member (circle)? **Y** **N**

Other teacher(s): \_\_\_\_\_ Member (circle)? **Y** **N**

Organization Address: \_\_\_\_\_

Contact Phone: \_\_\_\_\_ Contact Email: \_\_\_\_\_

Program Choice(s): \_\_\_\_\_

Grade Level: \_\_\_\_\_ Number of Classes: \_\_\_\_\_ Number of Students: \_\_\_\_\_

Lunch (circle) **Y** **N** Gift Shop (circle) **Y** **N** Have you utilized Woldumar in a past year? **Y** **N** **FT** or **TN**

Date you are interested in: \_\_\_\_\_ Time: \_\_\_\_\_

Alternate Date: \_\_\_\_\_ Alternate Time: \_\_\_\_\_

\*\*\* TO BECOME A MEMBER AND RECEIVE THE MEMBER DISCOUNT FOR YOUR CLASS, PLEASE COMPLETE THE FOLLOWING INFORMATION \*\*\*

Your name and spouse/partner name (if applicable): \_\_\_\_\_

Names of other family members: \_\_\_\_\_

Home address: \_\_\_\_\_

Phone number: \_\_\_\_\_ Alternate phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

How do you prefer to receive your newsletter (circle)?

**Postal Service**

**E-mail**

I am interested in: \_\_\_\_\_ Education volunteer  
\_\_\_\_\_ Grounds volunteer  
\_\_\_\_\_ Special events volunteer  
\_\_\_\_\_ Office volunteer  
\_\_\_\_\_ Attending Woldumar Community Programs

Membership Dues \$42  
Additional gift \$

Total \$  
Checks payable to Woldumar Nature Center

5739 Old Lansing Rd. • Lansing, MI 48917

phone (517)322-0030 fax (517)322-9394

Email: [lena@woldumar.org](mailto:lena@woldumar.org) • Visit our website [www.woldumar.org](http://www.woldumar.org)

# Woldumar Nature Center Annual Events

A wide array of evening and weekend events are offered throughout the year for children, adults, and families, including the American Heritage Festival, the “Chili” Winter Evening and the Wildflower Weekend.



## American Heritage Festival

### *DATES*

Saturday, September 25th, 2010 — 11:00 a.m. to 7:00 p.m.

Sunday, September 26th, 2010 — 11:00 a.m. to 4:00 p.m.

*VISIT WEBSITE FOR MORE DETAILS*

## “Chili” Winter Evening

### *DATES*

Saturday, January 22nd, 2011 — 4:00 p.m. to 10:00 p.m.

*VISIT WEBSITE FOR MORE DETAILS*

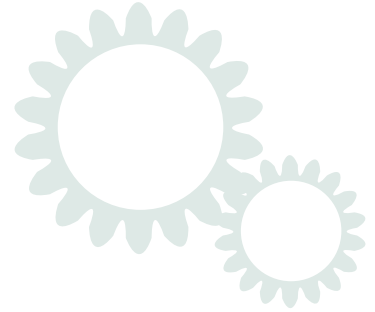
## Wildflower Weekend

*A CELEBRATION OF NATURE AND THE ARTS*

### *DATES*

Saturday, May 14th and Sunday, May 15th, 2011

*VISIT WEBSITE FOR MORE DETAILS*



*ENCOURAGE YOUR STUDENTS  
AND THEIR FAMILIES TO JOIN  
US ON THE THIRD SATURDAY  
OF EVERY MONTH.*

The third Saturday of each month Woldumar offers programs for all ages:

- Environmental education
- Heritage programs
- Community recreation
- Log cabin tours
- Blacksmithing (April-October)

Check the website

***WWW.WOLDUMAR.ORG***

for more information.

**Run-A-Munk: 5K & 10K Walk/Run - November 13, 2010,**

**Registration - 8:30 a.m., Race begins at 10:00 a.m.**

An energetic fundraiser that welcomes you to our trails.

**Annual Picnic - Tuesday, June 14, 2011, 5:30 p.m. - 8:00 p.m.**

Admission by donation, and all donations will be matched by an anonymous sponsor.

**Camp Discovery Day Camps - During School Breaks, including Summer**

Children stay active and engaged during their time away from school.



Visitor Center and Gift Shop Hours of Operation Tuesday-Saturday 10am - 5pm. Sunday Noon - 4pm

Administrative Office Hours: Monday - Friday 9am - 5pm. Other hours determined by programs & events.

Trails open from dawn to dusk daily. Woldumar Nature Center is owned and operated by Woldumar Nature Association.



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Assistance provided by:

