



## Audubon Center of the North Woods

The Audubon Center of the North Woods offers a wide range of outreach programs brought to your school or organization in our 36-foot, vegetable oil-powered EcoRV.

We will customize the programming agenda to meet your needs and available time. For instance, you may mix and match programs from energy, birds of prey, or naturalist in residence to fill a morning, a full day or consecutive days.

Whatever your needs, let us know and we'll do our best to accommodate your schedule to bring you top-notch programs.

For more info or to book any of our programs, contact:

Jeff Tyson, Wildlife Coordinator  
Audubon Center of the North Woods  
PO Box 530, Sandstone, MN 55072  
phone: 1-888-404-7743 or 320-245-2648  
Email: [jtyson@audubon-center.org](mailto:jtyson@audubon-center.org)

Non-profit Organization  
U.S. Postage  
PAID  
Sandstone, MN 55072  
Permit No. 2



## Audubon Center of the North Woods

A Proud Leader in Environmental Education and Renewable Energy

## Outreach Programs

*Bringing environmental  
education to your location*



Photo by Melissa Carlo, Ottumwa Courier

Many topics for large and  
small groups of students

## Energy Curriculum



We strive to model and teach the philosophy of living a sustainable, carbon-neutral lifestyle and are leading by example in terms of sustainable and renewable energy systems. Our center currently is using solar, geothermal and wind generator systems to meet a large share of our energy needs.

Through our outreach renewable energy programs, we seek to provide students with a deeper understanding of environmental stewardship.

Empowered by new knowledge about environmental systems, and how these systems are connected to personal health and the health of the planet, they become more informed decision-makers. An



informed population yields more environmentally responsible policies that benefit immediate and long-term sustainability throughout the world's communities.

We have developed a number of energy curriculum options, which we bring to you in our EcoRV—a 36-foot RV that has been converted to run on used vegetable oil.



**For more info call: 1-888-404-7743**

## About the Audubon Center of the North Woods



The Audubon Center of the North Woods (ACNW) is a non-profit 501(c)(3) educational institution dedicated to sustainable environmental conservation. As a residential environmental learning center, retreat and conference center, and a leader in renewable energy production, ACNW offers a variety of environmental learning experiences for people of all ages and backgrounds. Nestled in a peaceful setting on the shores of Grindstone Lake in east-central Minnesota, our diverse 535-acre sanctuary offers a range of dispersed classrooms in a variety of habitats, including old-growth red and white pines, hardwood forests, restored wetlands and prairies.

Our programs use the environment as the blackboard and laboratory to educate ACNW's constituents - students, teachers, academic and research institutions, the general public and community leaders - on the need to support a sustainable relationship between their health and the state of the environment. We are committed to developing an understanding, ethics, and responsibility regarding the environment and the role of humans through formal and informal experiences that link nature and humans.

**Our vision:** The environment is the blackboard for the center's educational programs; the common ground that brings us together with the natural world. This is where people from around the globe come to share concerns for one another and the future. It is through positive and shared experience that we hope we can affect the values and actions of people to shape a world of harmonious diversity.

**Our Mission:** To protect, improve and promote the enjoyment of the natural environment through formal and informal education programs and research; to assist and encourage environmental education programs, centers and careers.

**Audubon Center of the North Woods**

# Naturalists in Residence

This is a fully customizable program in which naturalists from the Audubon Center of the North Woods come to your school or organization for 1/2 week or full week.

The curriculum is developed according to your goals and interests. For instance, you may want to learn about the natural habitats surrounding your particular location, examine environmental policies in your district, explore and take field trips, observe the natural wildlife, study the watershed surrounding your area... there are many options. You can work with our naturalists to customize a program specifically for your location.

## Outreach Program Pricing

### Energy Outreach

1 <sup>st</sup> 1 hour program (per classroom):	\$130
2 <sup>nd</sup> 1 hour program (per classroom):	\$90
3 hour program (per classroom):	\$410

### Large Group Presentations\*

1 <sup>st</sup> Program:	\$260
2 <sup>nd</sup> Program:	\$100 (Following 1 <sup>st</sup> )
Additional:	\$100
All Day Event:	\$500

Mileage: 46.5 cents per mile for programs over 50 miles from ACNW

\* Programs including an eagle, add \$25

— 15% discount during November & December —

**For more info call: 1-888-404-7743**

# Energy Outreach Classes -

*These Energy classes are designed for a classroom of students (i.e., 30 students or less). Each unit is one hour in length (with the exception of the 3-hour Energy class).*

**You may mix and match any of our programs to meet your needs!**

*Our energy outreach programs are geared toward upper elementary and middle school age students, but may be adjusted for younger and older students. We are happy to tailor a program to fit your area of study.*

<p><b>Acid Rain</b> – Students investigate the causes and effects of acid rain through hands-on experiments and observation.</p>	<p><b>Energy Conservation</b> – Students explore different ways of conserving energy while conducting an energy audit of their school.</p>
<p><b>Energy (1-hour)</b> – Students learn about different types of energy, and pros and cons of renewable energy through activities and games. Students learn how energy conservation impacts the rest of the world and future generations.</p>	<p><b>Energy (3-hour)</b> - Designed to lay the groundwork for further study about energy. Students are introduced to the concept of energy, where it comes from, who uses the most, the different alternative energy sources.</p>
<p><b>Geothermal Energy</b> – Students learn about geothermal energy by studying the basic geology of the earth and exploring why geothermal is a good alternative to fossil fuels through hands-on experiments.</p>	<p><b>Solar</b> – Students explore the different applications of solar energy through games and hands on activities. Students learn about the abundance of available solar energy, get an introduction to passive solar heating, as well as a demonstration of how photovoltaic cells work.</p>
<p><b>Global Warming</b> – Students learn about global warming: its causes, effects and what we can do to stop it through discussion, demonstrations and experiments.</p>	<p><b>Wind</b> – Students explore the different uses of wind energy, as well as the wind's potential in electricity generation.</p>

*Pricing for all our outreach programs may be found on page 6*

**Audubon Center of the North Woods**

## Birds of Prey

Raptor outreach programs are one hour in length. The Audubon Center has five educational raptors to choose from for your programs including an American Kestrel, Red-tailed Hawk, Bald Eagle, Barred Owl and Great Horned Owl.



### Endangered Raptors – Recovery Stories

*Ages: 4<sup>th</sup> – 12<sup>th</sup> Grade*

Learn about Endangered Raptors of North America and their recovery, while meeting our educational birds.



Photo by Laurie With

### Raptors by Family

*Ages: 1<sup>st</sup> – 9<sup>th</sup> Grade*

Meet 3-4 of our educational raptors while learning about the 4 major families (Falcons, Hawks, Owls, and Eagles). *Lots of student participation!*

### Falconry—Of Raptors and Men

*Ages: 3<sup>rd</sup> – 12<sup>th</sup> Grade*

Students will learn about the history of falconry throughout the world as well as meeting birds commonly used in Falconry.



Photo by Laurie With

### A Tour of Minnesota Raptors

*Ages: 10<sup>th</sup> Grade – Adult*

Get to know all the raptors that call Minnesota home all or part of the year. Meet 3-4 live raptors.

### Raptors through Stories

*Ages: K – 2<sup>nd</sup> Grade*

Students will get their first experience with birds of prey by reading children's books incorporating birds of prey then meeting live birds.



Photo by Melissa Carlo, Ottumwa Courier

### Silent Hunters

*Ages: 3<sup>rd</sup> Grade – Adult*

Meet 2 owls that call Minnesota home. Learn about adaptations that make owls successful hunters and unique among the raptors.

Preschool programs are also available. We are happy to tailor a program to fit your area of study.

**For more info call: 1-888-404-7743**

## Reptiles and Amphibians

Participants learn to recognize the differences and similarities of reptiles and amphibians. This program instills an appreciation of reptiles and amphibians, dispels common myths and fears, and explores contributing factors of the decline of amphibian and reptile populations. Live reptiles are part of this presentation.



## Aquatics

Participants learn why aquatic insects are so important and how they relate to water quality. During this program, students will get gigantic views of live aquatic insects on the 'big screen' through LCD microscope projection and learn about the different adaptations that aquatic insects have.



*Pricing for all our outreach programs may be found on page 6*

**Audubon Center of the North Woods**