



# SCHOOL Outreach

Preparing today's youth to be tomorrow's stewards of our natural world

## Let us come to you!

Trees For Tomorrow, an accredited natural resources specialty school located in Eagle River, Wisconsin, has been educating people about natural resources for 75 years. We welcome the opportunity to visit your classroom and explore the Northwoods with your students.



**OUR MISSION:** *Trees For Tomorrow promotes sustainable management of our natural resources through transformative educational experiences.*

# Lessons

Class	Time	Season	Pre-K	K-5	6-8	9-12
Animal Adaptations <sup>1</sup>	2 hours	☀️🌸🍁❄️			x	
Animal Survival Strategies and Scent Tracking <sup>1</sup>	1.5 hours			x		
Animal Tracks <sup>2</sup>	1 hour	☀️🌸🍁❄️		x		
Birds of Prey <sup>2</sup>	1 hour	☀️🌸🍁❄️	x	x	x	x
Bog Ecology <sup>1</sup>	1.5 hours	☀️🌸🍁			x	x
Challenge Activities	1-1.5 hours	☀️🌸🍁❄️		x	x	x
Consumerism	1 hour	☀️🌸🍁❄️				x
Critter Catching <sup>1</sup>	1.5 hours	☀️🌸🍁❄️	x	x	x	
Deer Ecology	1.5 hours	☀️🌸🍁❄️		x		
Dress a Beaver	1 hour	☀️🌸🍁❄️		x		
Exploring Energy	1.5 hours	☀️🌸🍁❄️			x	x
Fish Adaptations and Habitats	1.5 hours	☀️🌸🍁❄️			x	
Forest Measurements <sup>1</sup>	1.5 hours	☀️🌸🍁❄️				x
Hark, Who Grows There? <sup>1</sup>	1 hour	☀️🌸🍁❄️		x		
Human Survival Skills <sup>1</sup>	1.5 hours	☀️🌸🍁❄️		x	x	x
Introduction to Field-Based Science Skills <sup>1</sup>	2 hours	☀️🌸🍁❄️			x	
Introduction to GPS <sup>1</sup>	1 hour	☀️🌸🍁❄️		x	x	x
Introduction to Water Science Skills <sup>1</sup>	2 hours	☀️🌸🍁			x	x
Logging Days	1 hour	☀️🌸🍁❄️		x	x	x
Nature Hike <sup>1</sup>	1 hour	☀️🌸🍁❄️	x			
Nature's Design	1.5 hours	☀️🌸🍁❄️			x	
Orienteering <sup>1</sup>	1.5 hours	☀️🌸🍁❄️		x	x	x
Reptiles and Amphibians <sup>2</sup>	1 hour	☀️🌸🍁❄️	x	x	x	x
Skulls, Skins, and Bones	1 hour	☀️🌸🍁❄️		x	x	x
Snowshoeing <sup>1,2</sup>	1 hour			x	x	x
Taking the Right Step	1.5 hours				x	
Thermal Adaptations	1.5 hours				x	
Tree Identification <sup>1</sup>	1 hour	☀️🌸🍁❄️		x	x	x
Wolves	1 hour	☀️🌸🍁❄️			x	x

<sup>1</sup>Requires travel to school forest or other natural area. Travel time not included in class time estimate.

<sup>2</sup>Additional material or live animal fees apply. See back page for details.

*I was able to learn a large variety of things that are often left out of our regular education, such as survival skills, tree ID, animal tracking, and most importantly how to conserve our forests and wildlife in a hands-on experience.*

-- Middle School Student

## Animal Adaptations

In the classroom, students will make observations of animal parts, noting what adaptations are present and how they might allow the animal to survive in a given habitat. Students will then explore new field sites to determine whether their animal is adapted to live in a variety of habitat types.

## Animal Survival and Scent Tracking

Students will learn a host of interesting facts that help them understand the serious business of winter survival. Then, students work in “wolf packs,” using their sense of smell to track student “deer” in this outdoor simulation activity.

## Animal Tracks

Students explore real-life animal tracks and other animal signs. Then, students will use Plaster of Paris with rubber molds to create an animal track in this make-and-take program. Maximum 30 participants at one time.



## Birds of Prey

This slide program introduces students to the birds of prey in Wisconsin. It includes general characteristics of raptors, the seven families found in Wisconsin, threats facing birds of prey, and conservation efforts. A live bird of prey is available for this program.

## Bog Ecology

Mysteries of the bog are revealed through this slide program and follow-up field tour. It's a place filled with “black holes,” scraggly trees, and bouncing mats of moss. Students get a chance to get into wetlands while quaking and shaking on the bog. *Bog boots not included.*

## Challenge Activities

Students work cooperatively through a series of physical and mental challenges designed to increase confidence and self-esteem and to encourage teamwork and mutual group support.



## Consumerism

This course takes a look at how all consumers can be more informed regarding their use of products. Students will learn to think critically as they explore the difference between wants and needs and how we can use our own values and opinions to make the best decision about the use of natural resources.

## Critter Catching

Students get hands-on as they sample nearby aquatic habitats for critters that live there. The types of organisms found help students diagnose the water quality.

# Lessons

## Deer Ecology

This program focuses on the life history, ecology, and special adaptations of an important Wisconsin game species. Students will engage in a simulation activity that focuses on an urban wildlife dilemma facing many cities today.

## Dress a Beaver

This fun and engaging program introduces students to beaver adaptations, ecology, and life history. Watch as one of your students transforms into a beaver before your eyes!

## Exploring Energy

Energy comes from a variety of sources, both renewable and nonrenewable. In this activity, students will see how much they know about energy usage and energy supplies as they test their knowledge in Energy Jeopardy.

## Fish Adaptations and Habitats

Students will examine fish adaptations to understand the diversity of fish morphology and how it provides adaptive advantage for specific habitats. Students will then design a “best habitat” for their fish species based on what they have learned.

## Forest Measurements

Students become foresters and discover the importance of inventorying the forest by measuring it. They will learn skills to use forestry tools, estimate wood volumes, and then make forest management decisions based on their data.



## Hark, Who Grows There?

Students actively participate in a modified hide-and-seek wildlife investigation game. Students explore potential forest uses, analyze different habitats and forest management practices, and justify which use they feel is most appropriate for each habitat.

## Human Survival Skills

In this hands-on activity, students will discuss what humans need to survive, what are the most important things to know in a survival situation, and what they should always have with them when they go out into the wild. They will then go outside and practice making shelters and/or fires.



## Introduction to Field-Based Science Skills

In this class, students practice using scientific tools and observation skills to describe a place in the forest. Groups of students get their own site to observe and measure. Together, the students will determine what biotic and abiotic components help create ecosystems.

## Introduction to GPS

Students will be introduced to GPS technology. Classroom and field portions teach students how to use GPS, read a map, and record scientific data.

## Introduction to Water Science Skills

Students build observation and data-gathering skills by collecting data at an aquatic site. Students will collect a variety of biotic and chemical data about their site, compare and analyze data, and draw conclusions on the health of the natural water system.



## Logging Days

Watch out Paul Bunyan! After a glimpse at early logging camp life, students swing into logging events such as cross-cut sawing, lighting a match with a small hatchet, and the tree cookie roll.

## Nature Hike

Students explore the forest and other natural areas looking for animal signs, evidence of seasonal changes, and various plants along a trail.

## Nature's Design

Students explore engineering applications of scientific knowledge for social benefit. Students use electronic and print resources to research specific adaptations of organisms and apply these adaptations to a design, which they present to the whole group at the end of class.



## Orienteering

Students combine classroom introduction with an orienteering field course designed to teach the basics of map and compass use. Classroom work introduces how to use a compass and read a map. Students then use these skills to complete an orienteering field course while investigating the forest.

## Reptiles and Amphibians

Who's slimy and who's not? Students take a close-up look at differences between reptiles and amphibians and learn more about species found in Wisconsin. Participants will have an opportunity to observe TFT's own reptiles up close!

# Lessons

## Skulls, Skins, and Bones

Students will identify animals by their skulls, skins, and bones. We will be looking at the structure and function of different parts of animals and what they can tell us about that animal.

## Snowshoeing

Explore the outdoors in a new way! Students will learn about the design of wooden snowshoes, then practice using them in the schoolyard or go for a snowshoe hike in the school forest.



## Taking the Right Step

Students will determine surface area and weight displacement of animal feet to see how they have adapted to life in cold climates. They will design and test their own device then compare devices and make inferences as to why some were more successful than others.

## Thermal Adaptations

Students conduct an experiment to determine how animals use adaptations and their environment to minimize internal temperature change in the winter. Students will write and test a hypothesis for their experiment, use observation skills, record data, and discuss the results with instructors and peers.

## Tree Identification

Students will discuss unique characteristics of trees and use a dichotomous key to identify native Wisconsin tree species.

They then apply their knowledge in a tree identification course in your schoolyard or school forest.



## Wolves

This slide show helps students separate fact from fairy tale as they learn about wolf life, ecology, communication, and management techniques. A demonstration of a wolf howl survey is also available. High School groups may include an additional mock debate on wolf management practices for an additional half an hour.

## Pricing Information

*All prices are subject to change without notification.*

### Program Rates:

*Program rates apply to groups with up to 30 students.*

*Contact us for rates for groups with more than 30 students.*

**Programs within a 1-hour drive or 60 mile radius of campus:**

1 Hour	\$95 + mileage
1.5 Hours	\$130 + mileage
2 Hours	\$160 + mileage
3-4 hours	\$275 + mileage

*Programs more than a 1-hour drive or 60 mile radius of campus will have additional travel time fees:*

Within 1-2 hours	+ \$50
Within 2.25-3 hours	+ \$100
Within 3.25-4 hours	+ \$200

### Additional Lesson Fees:

Animal Tracks	\$2.25/person
Snowshoeing	\$9.00/person
*Live Animals	\$10.00/program

*\*No more than 2 live animal programs per day.*

### Program discounts:

**Schedule several programs and save!** Discount will be taken at the time of purchase and is applied to program cost only. Additional lesson fees, mileage, and vehicle rental are not included.

1 Program	Full Price
2-4 Programs	10% off
5+ Programs	15% off

### Mileage Rates:

*Mileage rates are calculated round-trip from Trees For Tomorrow to your school, plus additional travel to off-site natural areas, if needed.*

Large bus	\$1.57/mile	Small bus	\$0.95/mile
Van	\$0.58/mile		

### Vehicle Rental:

*Trees For Tomorrow has vehicles that may be rented for travel to off-site natural areas, if needed. Contact us today for more details.*

**Custom programs are also available - Contact us today to discuss!**

**For more information or to schedule your program,  
contact Trees For Tomorrow at: 715.479.6456  
ctodea@treesfortomorrow.com**

