Trees For Tomorrow®
Environmental Education Center

School Outdoor Learning Experiences for K-12

Middle school students at Trees For Tomorrow test pH levels in a Northwoods bog, discovering how acidity makes these ecosystems unique from other Wisconsin waters.

Teaching Sustainable Natural Resource Use & Management

Elementary

We introduce young minds to the wonders of the natural world and build their understanding of the basic topics that are the foundation of future learning.

(pages 5-8)

Middle School

We take the TFT experience a step further with hands-on learning through experimentation and observation in the outdoor classrooms of woods and water.

(pages 9-12)

High School

We foster higher-level thinking in all of our courses, and show students how their outdoor learning experiences can apply to potential natural resource careers.

(pages 13-18)

ACCREDITED cognia NCA CASI | NWAC | SACS CASI

(715) 479-6456 TreesForTomorrow.com tft.info@TreesForTomorrow.com

519 E. Sheridan Street, PO Box 609 · Eagle River, Wisconsin 54521

Of all the paths you take in life, make sure a few of them are dirt. ~John Muir

The Science of Nature

Trees For Tomorrow (TFT), an accredited environmental education center located in Eagle River, Wisconsin, has been educating adults and children for eight decades about natural resources and their continued importance to our, and the earth's, survival.

Our campus—from overnight stays to single day

We invite your K-12 students to learn through exploration and the science of nature on our campus for a multi-day, overnight, or day experience! Our professional teaching staff are experts at using field research and hands-on activities to awaken students' awareness of the land's capabilities and limitations, and inspire their enthusiasm for sustainable forest stewardship.

Throughout the program, students participate in school outdoor learning experiences (SOLE) in Northwoods forests and waterways focusing on topics such as forestry, wildlife, water quality, and natural resource use. These activities demonstrate how natural resources can be sustained through proper management.

Your campus—let us come to you

We welcome the opportunity to visit your classroom, engage your students and explore the fields and forests with your class. Many of the courses we offer can be adapted to fit your curriculum and school forest—look for the compass icon ( ) on the course schedule that signify programs that will work the best at your location.

Our History

Trees For Tomorrow (TFT) was founded as a nonprofit organization in 1944 by a group of Wisconsin paper and electric utility companies with the purpose of reforesting northern Wisconsin and to educate the public about proper land management.

In our early days, TFT gave away tree seedlings, lent out planting machines, and hired foresters to develop land management plans. TFT also established an education facility at a former Civilian Conservation Corps training facility in Eagle River, Wisconsin and used the recovering Northwoods to teach about the need for proper forestry practices. After the success of reforestation efforts in the region, TFT turned all of its energy towards education in 1967.

SOLE School Outdoor Learning Experiences for K12

Where every step counts

Trees For Tomorrow® Environmental Education Center

TreesForTomorrow.com

(715) 479-6456
519 E. Sheridan St.
PO Box 609
Eagle River, WI 54521

TFT is accredited by Cognia. Our interdisciplinary, inquiry-based school outdoor learning experiences are designed to compliment your K-12 school curriculum, with many lessons aligning to Next Generation Science Standards as well as Academic and Career Planning guidelines.

Learn

The M.N. "Mully" Taylor Education Hall houses three classrooms, restrooms, conference room, TFT's main office, and campus gift shop. Additional classroom space is available in Juday Hall.

Eat

TFT's historic dining hall is equipped with a large, modern kitchen and professional hospitality staff that prepares home-cooked meals and can accommodate any special dietary needs.

Stay

Each of the four dormitories can accommodate between 26-48 people, has a central lounge with a wood-burning fireplace and central bathrooms with showers.

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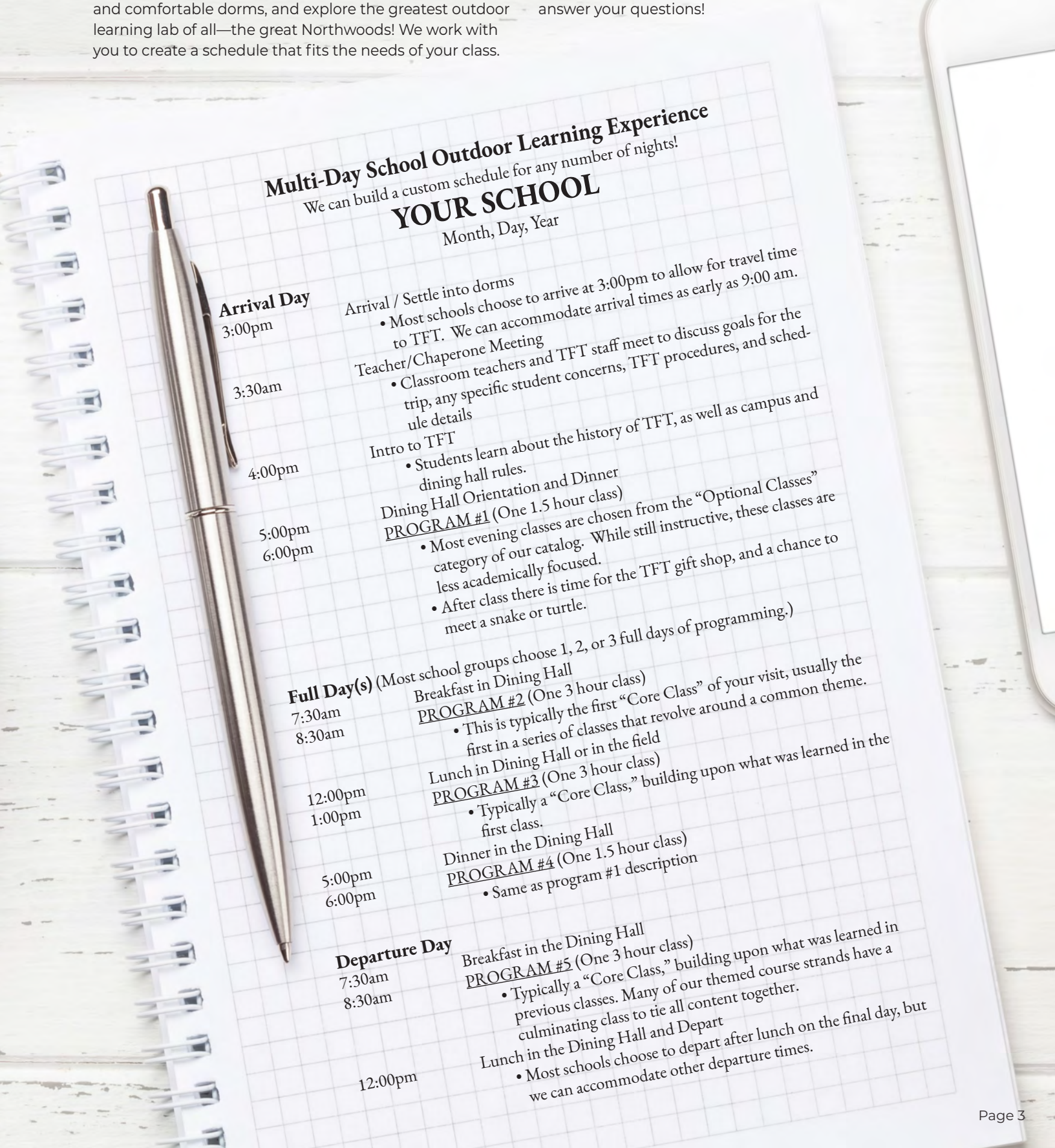
Sample Schedule for Multi-Day SOLEs

Your outdoor learning adventure begins here! Trees For Tomorrow provides multi-day, outdoor learning experiences for K-12 groups. Everything you need for a comfortable, safe, and fun stay-away from home is right on campus. Enjoy home-cooked meals in the dining hall, stay in secure and comfortable dorms, and explore the greatest outdoor learning lab of all—the great Northwoods! We work with you to create a schedule that fits the needs of your class.

Our multi-day experiences are structured to build on concepts students learned the day(s) prior. There are many optional classes that you can add to make your experience even more memorable. Unsure if a particular class is the right fit for you? Reach out to us today—we're happy to answer your questions!



Multi-Day School Outdoor Learning Experience

We can build a custom schedule for any number of nights!

YOUR SCHOOL

Month, Day, Year

Arrival Day

3:00pm — Arrival / Settle into dorms
- Most schools choose to arrive at 3:00pm to allow for travel time to TFT. We can accommodate arrival times as early as 9:00 am.

3:30am — Teacher/Chaperone Meeting
- Classroom teachers and TFT staff meet to discuss goals for the trip, any specific student concerns, TFT procedures, and schedule details

4:00pm — Intro to TFT
- Students learn about the history of TFT, as well as campus and dining hall rules.

5:00pm — Dining Hall Orientation and Dinner

6:00pm — PROGRAM #1 (One 1.5 hour class)
- Most evening classes are chosen from the "Optional Classes" category of our catalog. While still instructive, these classes are less academically focused.
- After class there is time for the TFT gift shop, and a chance to meet a snake or turtle.

Full Day(s) (Most school groups choose 1, 2, or 3 full days of programming.)

7:30am — Breakfast in Dining Hall

8:30am — PROGRAM #2 (One 3 hour class)
- This is typically the first "Core Class" of your visit, usually the first in a series of classes that revolve around a common theme.

12:00pm — Lunch in Dining Hall or in the field

1:00pm — PROGRAM #3 (One 3 hour class)
- Typically a "Core Class," building upon what was learned in the first class.

5:00pm — Dinner in the Dining Hall

6:00pm — PROGRAM #4 (One 1.5 hour class)
- Same as program #1 description

Departure Day

7:30am — Breakfast in the Dining Hall

8:30am — PROGRAM #5 (One 3 hour class)
- Typically a "Core Class," building upon what was learned in previous classes. Many of our themed course strands have a culminating class to tie all content together.

12:00pm — Lunch in the Dining Hall and Depart
- Most schools choose to depart after lunch on the final day, but we can accommodate other departure times.

Sample Schedule for Single Day SOLEs

An adventure may be short, but that doesn't make it any less meaningful! We're happy to work with you to provide your students with a single-day field trip they'll never forget! The day starts when your group arrives. After a brief orientation session, students start with morning courses, then break for lunch, and round out their day with an afternoon session.

While many single-day groups stay on our historic campus and learn on-campus, your group can choose to go off-campus and be back by the time you need to leave. Take a look through the catalog and see what we have to offer. Unsure if a particular class is the right fit for you? Reach out to us—we're happy to answer your questions!

Trees For Tomorrow®
Environmental Education Center

Single Day School Outdoor Learning Experience

YOUR SCHOOL

Month, Day, Year

Arrival Day

8:45am — Arrival & Brief Orientation
- Our staff welcome you and your students to TFT's campus and direct you to your classroom for the day. We help organize where to put lunches, backpacks, etc. and where restrooms and drinking fountains are. We'll provide a brief background about TFT and what your group can expect from the day.

9:00am — PROGRAM(S) #1
- Your TFT adventure begins! Choose a program from this catalog that best fits your class age group and learning goals. We can make room for either one 3-hour or two 1.5-hour programs before lunch.

12:00pm — Lunch
- Groups can eat inside one of our classrooms or outdoors. We have a wide variety of picnic tables and other outdoor areas where your group can eat! After lunch, students can relax a bit by playing games on our field, by our basketball hoop, or at our volleyball court.

12:30pm — PROGRAM(S) #2
- The adventure continues! Choose a program from this catalog that best fits your class age group and learning goals. We can make room for either one 3-hour or two 1.5-hour programs before lunch.

2:30 pm — Wrap-up and depart. Thank you for visiting!

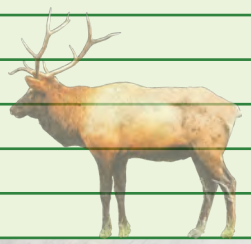
Elementary School

School Outdoor Learning

For optimal learning, we recommend teachers select classes within the same theme (e.g., water, wildlife). PLEASE NOTE: there are options included for both early elementary (K-2) and late elementary (3-5). Please refer to the table below to see which activities we recommend for your students.

Core Classes	Grade	NGSS	Time	Season	Notes
Animal Signs	K-3	K-ESS3-1, 2-LS4-1, 3-LS4-3	1-1.5 hrs.		(I/O)
Challenge Activities	K-5	---	45 min. +		
Fish Adaptations	4-5	4-LS1-1	1.5 hrs.		(I)
A Forest's Purpose	2-5	3-LS4-3, 5-ESS3-1	1.5 hrs.		
Hands-On Herpetology*	3-5	4-LS1-1	1.5 hrs.		(I)
Know Your Snow	3-5	3-ESS2-1	1.5 hrs.		
Lake Food Webs	3-5	3-LS4-4, 5-LS2-1	1.5 hrs.		
Life of a Tree	K-2	K-ESS3-1, 1-LS3-1, 2-LS4-1	1-1.5 hrs		
Magnificent Macroinvertebrates	3-5	3-LS4-3	1.5 hrs.		
Meet the Trees	3-5	3-LS3-1	1.5 hrs.		
Powerful Pollinators	K-2	K-ESS3-3, 2-LS2-2			(I/O)
Predators and Prey	3-5	3-LS4-4, 5-LS2-1	1.5 hrs.		(I/O)
Relating to Raptors*	3-5	4-LS1-1	1.5 hrs.		(I)
Snow and Tell	3-5	3-LS2-1, 5-LS2-1	1.5 hrs.		
Spectacular Seeds	K-2				
Wetland Metaphors	K-3	2-LS4-1	1.5 hrs.		
Wetlands	3-5	5-ESS2-1, 3-LS4-3	3 hrs.		
What Makes a Mammal?	3-5	3-LS4-3, 4-LS1-1	1.5 hrs.		(I)
What's in a Tree?	3-5	3-LS3-2, 5-LS1-1	1.5 hrs.		
Winter Adaptations	3-5	3-LS2-1, 4-LS1-1, 3-5-ETS1-2	1.5 hrs.		(I)

Optional Classes	Grade	NGSS	Time	Season	Notes
Archery*	3-5	---	1.5 hrs.		
Animal Tracks*	K-5	--	1 hr.		≤30 participants
Bats	3-5	---	1 hr.		(I)
Canoe Lessons*	3-5	---	1.5 hrs.		≤30 participants
Canoe Tour*	3-5	---	2-3 hrs.		≤30 participants
Cross-Country Ski Lessons*	3-5	---	1.5 hrs.		
Cross-Country Ski Tour*	3-5	---	3 hrs.		
Dress a Beaver	K-5	---	1 hr.		(I)
Human Survival Skills	3-5		1.5 hrs.		
Introduction to GPS	4-5	---	1.5-3 hrs.		
Logging Days	3-5		1.5 hrs.		
Night Hike	4-5		1.5 hrs.		‡
Orienteering	3-5	---	1-3 hrs.		
Papermaking*	K-5		1.5 hrs		
Wolves	4-5	---	1 hr.		(I)



Extra fees apply. See page 16 for details. *‡For optimal experience sunset time for this class should be between 6:00 - 8:30 PM*

= Fall =Winter = Spring = Summer = Travels Well; (I) = Indoor Only; (I/O) = Indoor/Outdoor if space permits

Elementary School

School Outdoor Learning

I was really impressed with the entire Trees For Tomorrow experience. My daughter is now a freshman in high school and still talks about her time at TFT three years ago. Because of that, I decided to come as a chaperone with my son's 6th grade class this year.

I loved the mix of indoor classroom instruction with outdoor, practical application of newly-learned concepts. Our school has been coming here for nearly 30 years, and now I know why.

Thanks for everything.
~Chaperone, Christian Heritage Academy

Core Classes

Animal Signs

Students learn how to identify tracks, scat, calls and other signs of common Northwoods animals. Signs are used to infer how animals live in different habitats. If weather allows we finish with a hike to practice finding animals signs.

Challenge Activities

Students work cooperatively through a series of physical and mental challenges designed to increase confidence and self-esteem, and to encourage teamwork. In spring, summer, and fall, an outdoor challenge course is available.

Fish Adaptations

Students visit hands-on stations to learn about physical adaptations of northern Wisconsin fish species and how those adaptations may help them survive in their habitats. Students then "create" a fish and its suitable habitat.

A Forest's Purpose

Students simulate predator and prey relationships while comparing habitat types. Following this activity, students will be challenged to consider how to manage a forest to support wildlife.

Hands-On Herpetology

Students explore adaptations of reptiles and amphibians through hands-on stations, including an up-close experience with our resident snakes and/or turtle!

Know Your Snow

Students learn how snow forms, explore different kinds of snow, and discuss how snow can become a glacier. They then go outside and investigate what the snow looks like at Trees For Tomorrow.

Lake Food Webs

Prerequisite: Magnificent Macro-invertebrates.

Students collect data to determine what microscopic organisms are living in a lake ecosystem. They then make a food web model based on their data and describe how populations would change with environmental conditions.

Life of a Tree

Students learn about the life cycle of a tree, and how tree cookies can be used to make inferences about the conditions experienced during a tree's life.

Magnificent Macroinvertebrates

Students will learn to identify macroinvertebrates that live in a nearby lake. They will take samples and discover the great diversity in our water. From that data, they will assess the health of the lake. *Pair with Lake Food Webs for a full experience!*

Core Classes (continued)

Meet the Trees

Students learn how to use a dichotomous key to identify common Northwoods trees and apply that skill on an outdoor tree identification course. They then group trees into families based on their similarities and differences.

Powerful Pollinators

Students learn about the importance of pollinators to our environment. Activities will show how pollinators spread pollen, and about what foods need pollination to grow.

Predators and Prey

Students learn about characteristics of predators and prey in Wisconsin, then play a predator/prey simulation game to see how the population of one affects the other. Students graph the results of their simulation and compare the results to a real-life predator/prey research study.

Relating to Raptors

Students explore raptor adaptations and make comparisons between raptors and other animals to determine the characteristics that are unique to raptors and their lifestyles. The class culminates with an introduction to TFT's live raptor!

Snow and Tell

Students learn and practice observation skills through the identification of animal signs using materials such as animal track and scat guides, and trail camera data. They then create a storyboard using their data to share a day in the life of the animal they observed.

Spectacular Seeds

Students learn about seeds, how they are formed, and how they turn into new plants.

Wetland Metaphors

Students investigate a series of objects that metaphorically represent the importance of wetlands to wildlife and humans. Students discuss these metaphors, then venture outdoors to build a beaver dam to learn about how they contribute to wetlands.

Wetlands

Students investigate a series of objects that metaphorically represent the importance of wetlands to wildlife and humans. Students then travel to an actual wetland and discuss these metaphors further.

What Makes a Mammal?

Students learn about mammal adaptations and morphology by exploring different mammals through animal artifacts such as skulls, feet, and pelts. Students use what they learn to create a mammal with the adaptations to survive certain environmental challenges.

What's in a Tree?

Prerequisite: Meet the Trees.

Students become foresters and learn how to take different tree measurements. They use this knowledge to determine what could be built out of one tree. Students conclude by exploring sustainable use of our natural resources.

Winter Adaptations

Through a Jeopardy-style game, students learn about the adaptations of Wisconsin plants and animals that allow them to survive the frozen winter. Students then use their creativity to design a plant or animal that would have the adaptations to survive winter.

Optional Classes

Archery
Students learn how to safely load a bow and shoot an arrow. Everyone gets to practice shooting at a target.

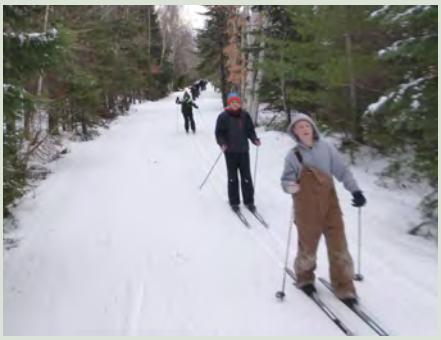
Animal Tracks
Students explore real-life animal tracks and other animal signs. Then, students use Plaster of Paris with rubber molds to create an animal track in this make-and-take program.

Bats
This slide program focuses on these interesting and misunderstood flying mammals. Topics covered include various species of bats, their life history, and their special adaptations for hunting on the wing.

Canoe Lessons
Students learn about equipment, safety procedures, and basic strokes necessary to become comfortable with paddling a canoe, then practice their skills on a lake.

Canoe Tour
After completing canoe lessons, groups go out and paddle on a variety of nearby lakes. Students continue developing skills while enjoying the beautiful Northwoods!

Cross-Country Ski Lessons
Students learn classical cross-country ski techniques. Ski skills include proper flatland, hill, turning, and touring techniques to safely enjoy this exciting sport.



Cross-Country Ski Tour
Students glide along a variety of snowy Northwoods trails, building upon previously learned ski skills and developing confidence with their skills. Tours focus on the natural history of our forests, wildlife, and snow.

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!

Human Survival Skills
Students discuss what humans need to survive and what is most important to know in a survival situation. They then go outside and practice making shelters and/or fires.

Introduction to GPS
Students are introduced to GPS technology. Classroom and field activities teach students how to use a GPS and read a map as they complete a "scavenger hunt" using a GPS unit.

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.

Night Hike
This reflective, sensory experience is designed to bring students in touch with nature at night. Students walk in the woods after dark without the use of flashlights to learn how human and animal senses work in the dark. Available when sunset is at or earlier than 8:30 PM (September - mid-May).

Orienteering
Students combine classroom instruction with an outdoor learning experience 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.

Papermaking
Students learn about Wisconsin paper mills, then model the actual paper-making process by making their own paper by hand to take home.

Wolves
This slide show helps students separate fact from fairy tale as they learn about wolf life, ecology, communication, and management techniques.

I will always remember making my first fire and lighting my first match. Trees For Tomorrow has forever changed my view on nature. Thank you for this extraordinary experience. It really means a lot to me, having someone let me have this once in a lifetime experience. Thank you for letting me go to this special, breathtaking camp.

Many Thanks,
Ben, 6th grader,
Christian Heritage Academy

Middle School

School Outdoor Learning

Trees For Tomorrow offers inquiry-based lessons for grades 6-8 which are aligned with Next Generation Science Standards (NGSS). Teachers choose lessons from one of three theme-based units, which are designed to build upon one another. The final lesson of each unit will pull all of the students' new knowledge and skills together in a culminating activity. Teachers may choose to round out their SOLE by adding up to two optional lessons. Our Program Coordinator will work with you to develop the schedule that is best for you!

Theme-Based Unit	Class	MS NGSS	Time	Season	Notes
Forest Sys.	Introduction to Field-Based Science Skills	LS2-1, LS2-2	3 hrs.		
Forest Sys.	Forest Succession	LS2-1, LS2-2, LS2-4	3 hrs.		
Forest Sys.	Animal Adaptations	LS1-4, LS2-2	3 hrs.		
Forest Sys.	Thermal Adaptations (also Winter Science)	PS3-3	1.5 hrs.		
Forest Sys.	Nature's Design	LS4-2, ETS1-1	1.5 hrs.		(I)
Forest Sys.	Taking the Right Step (also Winter Science)	ETS1-2	1.5 hrs.		
Forest Sys.	Forest Health Assessment	LS2-4, LS2-1	2.5 hrs.		
Water Sys.	Introduction to Water Science Skills	LS2-1	3 hrs.		
Water Sys.	Lake Ecology *(with canoes*)*	LS2-1, LS2-2, LS2-4	3 hrs.		
Water Sys.	Bog Investigations	LS2-1, LS2-4	3 hrs.		
Water Sys.	Fish Adaptations	LS2-1, LS2-4	1.5 hrs.		(I)
Winter Sci.	Winter Animal Signs	LS2-1 , LS2-2	3 hrs.		
Winter Sci.	Snow Shelters	PS3-3	1.5 hrs.		
Winter Sci.	Science of Snow	ESS2-5	1.5 hrs.		
Winter Sci.	Winter Lake Ecology	LS2-1, LS2-4	3 hrs.		
Winter Sci.	Seasonal Habitats *(Culminating Activity)*	LS2-2, LS1-4, LS1-5	2.5 hrs.		
Optional	Archery*	---	1.5 hrs.		
Optional	Birds of Prey*	---	1.5 hrs.		(I)
Optional	Bog Ecology	---	1.5 hrs.		
Optional	Canoe Lessons*	---	1.5 hrs.		≤30 participants
Optional	Canoe Tour*	---	2-3 hrs.		≤30 participants
Optional	Challenge Activities	---	45 min. +		
Optional	Critter Catching	---	1.5 hrs.		
Optional	Cross-Country Ski Lessons*	---	1.5 hrs.		
Optional	Cross-Country Ski Tour*	---	3 hrs.		
Optional	Exploring Energy	---	1.5-3 hrs.		(I)
Optional	Human Survival Skills	---	1-2 hrs.		(O)
Optional	Introduction to GPS	---	1.5-3 hrs.		
Optional	Logging Days	---	1-1.5 hrs.		(I/O)
Optional	Night Hike	---	1.5 hrs.		‡
Optional	Orienteering	---	1-3 hrs.		
Optional	Reptiles and Amphibians*	---	1 hr.		(I)
Optional	Skulls, Skins, and Bones	---	1.5 hrs.		(I)
Optional	Tree Identification	---	1.5 hrs.		
Optional	Wolves	---	1 hr.		(I)

**Extra fees apply. See page 16 for details.* *‡For optimal experience sunset time for this class should be between 6:00 - 8:30 PM*

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I am a teacher who has brought students to Trees For Tomorrow for over 15 years. Every year, the staff outdoes themselves by exceeding my expectations, and this year has been no exception.

Generous donations make it possible to fund these experiences for some students who are SO interested but could otherwise not afford it.

The academic knowledge my students leave with, along with the wealth of buy-in for their natural resources and potential careers is worth every penny. I am forever grateful for the opportunity for our future leaders to experience all they do here at TFT.

~7-12+ Science Educator,
Marion High School

Forest Systems Theme-Based Unit

Introduction to Field-Based Science Skills

Students develop observation and data collection skills by practicing journaling techniques and using a variety of tools to study trees and wildlife. These skills are used throughout the forest systems theme-based unit.

Forest Succession

After a brief introduction, students journey to a field site to gather data on a forest following a past disturbance. Students use their data to support a theory on patterns of change in the forest following the disturbance, explain the phenomenon of ecological succession, and make predictions about how the site will change in the future.

Animal Adaptations

Students make observations of an animal based on artifact (fur, skull, foot, etc.) and infer how those adaptations might help an animal survive. Students then explore a variety of field sites on a hike to rate habitat compatibility of their animal. Afterward. students use trends in date to explore concepts like specialist vs. generalist animals and how that might influence wildlife management.

Thermal Adaptations

Students explore different factors that affect body temperature in cold climates. They conduct a simple experiment to determine how different materials can affect heat loss. Students use their data to create a graph and analyze their findings.

Nature's Design

In this evening experience, students explore engineering applications of scientific knowledge. Students research specific adaptations of organisms and apply these adaptations to a design, which they then share with the class.

Taking the Right Step

Students design and test their own "snowshoe," then compare devices and make inferences as to why some were more successful than others.

Forest Health Assessment

Students use the skills they learned in previous classes to conduct a forest inventory assessment to determine if a forest is healthy. Students also learn about the value of forests according to different stakeholders including wildlife, ecologists, timber producers, and recreationalists. Finally, students participate in a discussion on the ecosystem services that forests provide.

Water Systems Theme-Based Unit

Intro to Water Science Skills

Students build data-gathering skills by collecting data at a nearby aquatic ecosystem. After collecting a variety of biotic and abiotic data, students learn about the meaning of a variety of measurements including pH, dissolved oxygen, turbidity, and biotic indices. Students use the data they collect to support an argument that the quality of water is healthy enough to support life.

Lake Ecology

Students travel to a nearby lake and collect data to determine the trophic state (or relative age) of the lake. Using data they collect such as: clarity, phosphate concentration, and bottom composition, students classify the lake as either oligotrophic, mesotrophic, or eutrophic. This class can be done with or without canoes ***(if using canoes, canoe lessons is a perquisite).***

Bog Investigations

In this field experience, students visit a bog and collect data about water quality, plants, and animals. Students analyze data to compare a bog to other aquatic ecosystems visited.

Fish Adaptations

Students examine fish adaptations to understand the diversity of fish morphology and how it provides adaptive advantage for specific habitats. As a wrap-up activity, students use what they've learned to design a "best fish" for a given habitat.

Winter Science Theme-Based Unit

Winter Animal Signs

Students learn the basics of identifying animal tracks. They then apply these skills to a field site, determining what animals live in specific habitats.

Snow Shelters

Over two evenings, students build a model-sized snow shelter. They then collect data to determine how effective this shelter is at minimizing heat loss.

Science of Snow

Students learn how snow forms differently based on weather conditions, and how snow can change over time. They then move outside to study the snow on campus at TFT.

Winter Lake Ecology

Students venture onto the ice of a local lake to explore an aquatic ecosystem during winter. They examine the physical, biological, and chemical aspects of a lake under the ice, and discuss how these factors influence the survival of aquatic life. (Ice must be 8"+ thick.)

Seasonal Habitats

In this culminating activity, students identify specific changes that occur with the seasons. They further determine how these changes impact the animals who live there.

Optional Lessons

Archery

Students learn how to safely load a bow and shoot an arrow. Everyone gets practice shooting at a target.

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

Open to groups not taking water systems theme-based unit lessons. 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.

Optional Lessons (continued)

Canoe Lessons
Students learn about equipment, safety procedures, and basic strokes necessary to become comfortable with paddling a canoe, then practice their skills on a nearby lake.

Canoe Tour
After completing canoe lessons, groups can get out and paddle on a variety of nearby lakes. Students continue developing skills while enjoying the beautiful Northwoods!

Challenge Activities
Students work cooperatively through a series of physical and mental challenges designed to increase confidence and self-esteem and to encourage teamwork. In spring, summer, and fall, an outdoor challenge course is available.

Critter Catching
Open to groups not taking water system theme-based unit lessons. Students get hands-on as they sample nearby aquatic habitats for macroinvertebrates that live there. The types of organisms found help students diagnose the water quality.

Cross-Country Ski Lessons
Students learn classical cross-country ski techniques. Ski skills include proper flatland, hill, turning, and touring techniques to safely enjoy this exciting sport.

Cross-Country Ski Tour
Students glide along a variety of snowy Northwoods trails, building upon previously-learned ski skills and developing confidence with their skills. Tours focus on the natural history of our forests, wildlife, and snow.

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. Students may then extend their learning through the use of an energy bike, and/or designing their own wind turbine.

Human Survival Skills
Students discuss what humans need to survive and what is most important to know in a survival situation. They then go outside and practice making shelters and/or fires.

Introduction to GPS
Students are introduced to GPS technology. Classroom and field activities teach students how to use a GPS and read a map as they complete a "scavenger hunt" using a GPS unit.

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.

Night Hike
This reflective, sensory experience is designed to bring students in touch with nature at night. Students walk in the woods after dark without the use of flashlights to learn how human and animal senses work in the dark. Available when sunset is at or earlier than 8:30 PM (Sept. - mid-May.).

Today I got the special chance to explore a bog with my seventh grade students. We learned about why bogs are so special in our state, how they were originally formed by glaciers, and how they are a finite ecosystem. Together with my students, we stepped carefully onto the mats of sphagnum moss and identified plants such as pitcher plants and cranberries. It is an experience we won't soon forget! Thank you for making this experience possible for us.

My sincere gratitude,
~7th grade science teacher, Aldo Leopold

Orienteering
Students combine classroom instruction 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 the differences between reptiles and amphibians and learn more about species found in Wisconsin. Participants have an opportunity to observe TFT's own reptiles up close!

Skulls, Skins, and Bones
Students visit variety of artifact (skulls, pelts, feet, etc.) stations and think critically about the relationship between the structure of the artifact and the life history of the animal.

Tree Identification
Open to groups not taking forest systems theme-based unit lessons. 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 on TFT's campus.

Wolves
This slide show helps students separate fact from fairy tale as they learn about wolf life, ecology, communication, and management techniques.

School Outdoor Learning

Trees For Tomorrow offers three units of inquiry-based lessons for grades 9-12. These lessons will introduce students to careers in natural resources, in conjunction with Wisconsin's Academic & Career Planning (ACP) guidelines. Teachers choose lessons from one theme-based unit that are designed to build upon one another. The final lesson of each unit will apply the students' new knowledge and skills in a culminating activity. Teachers may choose to round out their high school field experience by adding up to two optional lessons. Our Program Coordinator will work with you to develop the schedule that is best for you!

Theme-Based Unit	Class	Time	Season	Notes
Forestry	Intro to Forest Measurements	3 hrs.		
Forestry	Timber Harvest as a Management Tool	3 hrs.		
Forestry	BMP's for Water Quality	1.5 hrs.		
Forestry	Managing Woodlands for Wildlife	3 hrs.		
Forestry	Online Soil Assessment	1.5 hrs.		(I)
Forestry	Create A Forest Management Plan *(Culminating Act.)*	3 hrs.		
Wildlife	Radio Telemetry	2-3 hrs.		(O)
Wildlife	Wildlife Capture Techniques	1.5 hrs.		
Wildlife	Wildlife Capture Techniques Applied	1.5 hrs.		
Wildlife	Deer Impact	3 hrs.		
Wildlife	Wildlife Signs Investigation	3 hrs.		(I/O)
Wildlife	Wildlife Research Proposals *(Culminating Activity)*	2 hrs.		Indoor Class Only
Energy/Climate	Energy In Nature	3 hrs.		
Energy/Climate	Energy Transformations	3 hrs.		
Energy/Climate	Carbon Sequestration	3 hrs.		
Energy/Climate	Climate Impacts	3 hrs.		
Energy/Climate	Energy Solutions	3 hrs.		(I)
Optional	Archery*	1.5 hrs.		
Optional	Birds of Prey*	1.5 hrs.		(I)
Optional	Bog Ecology	1.5-2 hrs.		
Optional	Canoe Lessons*	1.5 hrs.		≤30 participants
Optional	Canoe Tour*	2-3 hrs.		≤30 participants
Optional	Challenge Activities	45 min. +		
Optional	Critter Catching	1.5 hrs.		
Optional	Cross-Country Ski Lessons*	1.5 hrs.		
Optional	Cross-Country Ski Tour*	3 hrs.		
Optional	Human Survival Skills	1-2 hrs.		(O)
Optional	Introduction to GPS	1.5-3 hrs.		
Optional	Night Hike	1.5 hrs.		‡
Optional	Orienteering	1-3 hrs.		
Optional	Reptiles and Amphibians*	1 hr.		(I)
Optional	Wolves	1 hour		(I)

**Extra fees apply. See page 16 for details.* ‡*For optimal experience sunset time for this class should be between 6:00 - 8:30 PM*

= Fall =Winter = Spring = Summer

= Travels Well; (I) = Indoor Only; (O) = Outdoor Only; (I/O) = Indoor/Outdoor if space permits

see pages 17 and 18 for additional programs for high school students

I want to thank Trees For Tomorrow for all the wonderful educational and hands-on experience TFT provided for my 10th and 11th grade students. The educational staff was extremely knowledgeable in all their areas; the classes were all amazing. The instructors, staff and management went above and beyond to ensure the students' comfort, educational wants and needs, and individual questions was met to the highest standards, I will recommend this to all my colleagues. Thank you so much for the amazing experience.

~High School Science Teacher. Goodman-Armstrong Creek School

Forestry Theme-Based Unit

Intro to Forest Measurements

Students discuss unique characteristics of trees and use a dichotomous key to identify native Wisconsin tree species. Students also learn to use forestry tools such as a DBH tape, clinometer, and wedge prism to inventory a forest.

Timber Harvest as a Management Tool

Students visit an historic study site on the Star Lake Peninsula in the NHAL State Forest and take measurements such as basal area and DBH in two experimental plots to directly observe how thinning affects a stand. Students then discuss how thinning is one tool that can be used by foresters to achieve landowner goals.

BMP's for Water Quality

Students learn the role forests play in contributing to water quality and how logging practices can impact water resources. Students survey and identify potential areas of concern at our campus forest and explore best management practices (BMPs) used by forestry professionals to protect water quality. Students then design a timber sale by following these best management practices.

Managing Woodlands for Wildlife

Students gather data on different forest types in the field and use that data to guide a discussion on how different forest types are managed for different species.

Online Soil Assessment

Students learn how to navigate through the USDA's Web Soil Survey to investigate the different soil types and properties found on TFT's campus. Students then gather information on soil limitations and performance as it relates to timber harvest activities. This information will be used when students create a forest management plan in their final project.

Create A Forest Management Plan (Culminating Activity)

Students create a Forest Management Plan for a portion of TFT's campus forest based on a given set of landowner goals and best management practices. Students collect data in the field using knowledge, skills, and tools learned in previous TFT forestry classes to support their plan.

Wildlife Theme-Based Unit

Radio Telemetry

Students learn how radio telemetry is used in wildlife research, then use the equipment to practice the techniques of homing and triangulation. Students apply this skill by using data to determine an animal's home range.

Wildlife Capture Techniques

Students learn about different methods of capturing and releasing animals for scientific study as well as applications of these methods. If weather allows, students will set actual live traps for a mock study in a future class. (Overnight temperatures must be 10°F+.)

Wildlife Capture Techniques Applied

Students use data collected in a a mock study to understand the applications of capture/release data to estimate populations.

Deer Impact

Students learn about the history of deer populations in Wisconsin, and what habitat is needed to maintain a deer population. We then travel to the field to compare the health of a regenerating forest both with and without deer feeding pressure.

Wildlife Signs Investigation

Students learn to identify tracks, scat, calls, and other signs of common Northwoods animals. Afterwards, they apply these skills on a hike through several habitat types at a local forest, where we'll discuss how habitat and ecological community characteristics like species richness and diversity are related.

Wildlife Research Proposals (Culminating Activity)

Using the knowledge and skills gained throughout their outdoor learning experience, students work in teams to develop a hypothetical wildlife research proposal. Teams consider appropriate data collection techniques and scientific implications of their proposal. As a final activity, they present their proposals to their classmates.

Energy & Climate Theme-Based Unit

Energy In Nature

Students evaluate how energy enters an ecosystem, and how it is transferred between organisms by considering specific examples they find on an animal signs hike. The relationship between energy and carbon (and CO_2) are also discussed, as well as the laws of conservation of matter and energy and energy transfers between trophic levels..

Energy Transformation

Students evaluate several different energy transformations and determine how CO2 is involved in each as they travel through different stations. They further investigate how sustainable specific transformations are in relation to the carbon cycle.

Carbon Sequestration

Students travel off-campus to compare how much carbon is stored in different forest types. By taking a series of forest measurements, students estimate the carbon storing ability of each forest type.

Back in the classroom, students will discuss trends they observed in the data and a forest's ability to sequester carbon at different stages in its "life." They then use the data they collect to discuss ways a forest could be managed to maximize carbon sequestration, and the pros and cons of those management decisions.

Climate Impacts

Students learn the difference between weather and climate then travel off-campus to see what northern forests currently look like and learn how they may be impacted by climate change. Students also participate in an activity that demonstrates how culturally-important beings and first-nations peoples may be impacted by climate change.

Energy Solutions

Students examine different sources of evidence to evaluate several activities and industries in Wisconsin that may be impacted by a changing climate. They discuss how alternative energy sources could help be part of the solution to rising levels of greenhouse gases. Students conclude by trying their hand at engineering an energy-efficient mini-wind turbine.

Optional Lessons

Archery
Students learn how to safely load a bow and shoot an arrow. Everyone gets to practice shooting at a target.

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.

Challenge Activities
Students work cooperatively through a series of physical and mental challenges designed to increase confidence and self-esteem and to encourage teamwork. In spring, summer, and fall, an outdoor challenge course is available.

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

Cross-Country Ski Lessons
Students learn classical cross-country ski techniques. Ski skills include proper flatland, hill, turning, and touring techniques to safely enjoy this exciting sport.

Canoe Lessons
Students learn about equipment, safety procedures, and basic strokes necessary to become comfortable with paddling a canoe, then practice their skills on a nearby lake.

Canoe Tour
After completing canoe lessons, groups get out and paddle on a variety of nearby lakes. Students continue developing skills while enjoying the beautiful Northwoods!

Cross-Country Ski Tour
Students glide along a variety of snowy Northwoods trails, building upon previously learned ski skills and developing confidence with their skills. Tours focus on the natural history of our forests, wildlife, and snow.

Human Survival Skills
Students discuss what humans need to survive, and what is most important to know in a survival situation. They then go outside and practice making shelters and/or fires.

Introduction to GPS
Students are introduced to GPS technology. Classroom and field activities teach students how to use a GPS and read a map as they complete a "scavenger hunt" using a GPS unit.

Night Hike
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Please cut and display this poster in your school

Multi-School Programs for High Schoolers

at Trees For Tomorrow

Program dates, themes and curriculum are pre-set. All that's needed is you and your students! Join other high school groups from around the upper Midwest on Trees For Tomorrow's campus for multi-day, immersive, outdoor learning experiences centered on sustainable management of our natural resources.

ACCREDITED cognia HCA CASI | NWAC | SACS CASI

2025-2026 Theme: Wildlife*

A progressive and hands-on series of wildlife ecology and research culminating in a final project where students put their knowledge to use.

** Theme rotates each school year*

Choose the dates that work the best for your group

- October 26-29, 2025
- December 3-6, 2025
- January 21-24, 2026
- April 19-22, 2026

OR create your own date with or without other schools

Other programs are also available

Want to customize your program, have a larger group (12+ students) or K through 9th graders? Our complete program catalog is available online or reach out to Operations Mgr. Mandy Gingerich.

Multi-High School Programs are perfect for any teacher who:

- Wants to bring a small group of students (3-12) on a School Outdoor Learning Experience (SOLE) for K-12.
- Wants their students to experience learning alongside other high schools in a small-group setting
- Enjoys the convenience of having a predetermined program theme and class schedule

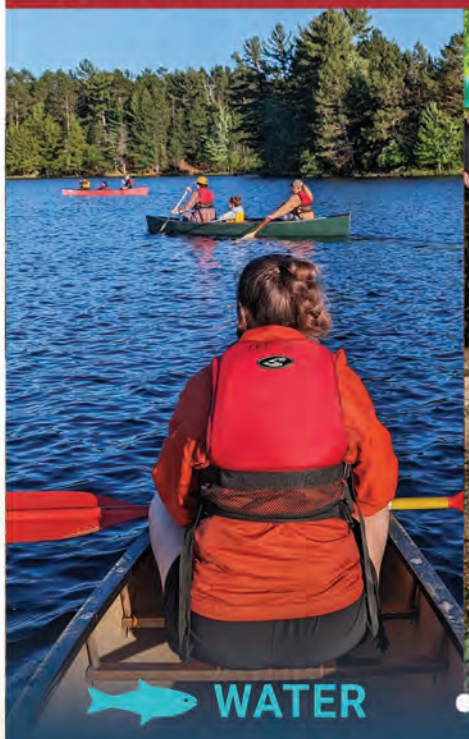
Sample schedules and additional information at
www.TreesForTomorrow.com

Contact Us

Trees For Tomorrow Environmental Education Center

(715) 479-6456 Mandy@TreesForTomorrow.com
519 E. Sheridan St., PO Box 609, Eagle River, WI 54521

HIGH SCHOOL SOPHOMORES, JUNIORS, AND SENIORS (AT THE TIME OF APPLICATION)



WATER • FORESTRY • WILDLIFE

EXPLORE CAREERS IN NATURAL RESOURCES

JUNE 7-12, 2026

Applications due May 1, 2026*

Designed for high school sophomores, juniors and graduating seniors (at time of application) who are interested in exploring a career in all aspects of natural resource management. Throughout this week-long program in beautiful Eagle River, Wisconsin, students are immersed in real-life field activities and development of outdoor skills while learning from industry professionals. They'll have the opportunity to explore our 40-acre forested campus in their free time too!

$210/Student

includes instruction, materials, 5 nights lodging & 15 meals.

SCHOLARSHIPS AVAILABLE—Complete scholarship portion of application (available online) for consideration.

** Spots for NRCEW are first-come, first-served—apply ASAP before it fills up!*

YOUR FUTURE STARTS HERE

60th Natural Resource Careers Exploration Week (NRCEW)

Download application or apply online at:

www.TreesForTomorrow.com

Questions? Contact Program Coordinator Casey Sprotte at Casey@treesfortomorrow.com

SCAN ME

Trees For Tomorrow®
Environmental Education Center

519 E. Sheridan St., PO Box 609 • Eagle River, Wisconsin • 54521 • (715) 479-6456

Please cut and display this poster in your school

School Outdoor Learning Experiences (SOLE) Pricing (All prices subject to change without notice)

Fees are for the SOLE program only and are per student/adult participant

DAY SOLE	MULTI-DAY/OVERNIGHT SOLE
Actual cost ranges from $50-80/student	*Actual cost ranges from $150-180/student*
Fee includes instruction and materials. Additional lesson fees may apply. Lunch is also available for an additional fee.	Fees vary depending upon arrival and departure times. Fee includes food, lodging, and instruction. Additional lesson fees may apply.

REDUCED RATE –ALL SCHOOLS	
Half Day $9.00/person	Full Day $11.50/person

Discounts subject to change without notice. Discounts and scholarship can be combined and are applied to final invoice.

** Note: all fees are approximate, per person, and are subject to change based on specific arrival and departure times, and final programs selected.*

REDUCED RATE –RETURNING SCHOOLS	
FILL THE BUS 55 or more participants	**5% off**
EARLY CONTRACT PROGRAM Sign your contract within 60 days of departure	**Guarantee current year's rates**
REFERRAL DISCOUNT Refer a grade or new school that attends TFT	**5% off your next visit**
HIGH-NEED SCHOLARSHIP Scholarship applied per person based on school and community financial needs	**Varies**

REDUCED RATE -NEW SCHOOLS RATE

ELEMENTARY & MIDDLE SCHOOL*

Year 1	Year 2	Year 3	Year 4
85% off actual cost	75% off actual cost	65% off actual cost	50% off actual cost

HIGH SCHOOL INCENTIVE PROGRAM*

Because of generous sponsors we are able to keep the cost for high schoolers at a minimum

Year 1	Year 2	Year 3	Year 4+
$55/ student	$60/ student	$65/ student	$70/ student

Vehicle Rental:

Trees For Tomorrow has vehicles that may be rented for travel to off-campus field sites during your stay for an additional $18/person. Subject to availability.

Additional Lesson/Equipment Fees:

Additional fees are required for these lessons or equipment rental. Fees are per person.

- Animal Tracks $2.50/per person
- Archery $2.00/per person
- Canoes $8.00/per person
- X-Country Skis $18.00/per person.
- Life of Paper $1.75/per person
- Snowshoes $11.00/per person
- Live Animal Programs $2.00/per person

  (Birds of Prey, Hands-On Herpetology, Relating to Raptors, Reptiles and Amphibians, and Wildlife Rehabilitation)

Contact Operations Manager Mandy Gingerich for more information:
mandy@treesfortomorrow.com
or 715.479.6456 x228

Payment and Cancellation Policy:

You will be billed for a minimum of 80% of the expected number of participants listed on signed contracts for services. If more participants attend than what is listed on the contract, appropriate fees will be billed upon completion of services. 50% of total course fees are due 30 days prior to course. Balance will be billed upon completion of course. Credit card payments may be charged an additional 3% processing fee. Cancellation fee may be charged if your entire group cancels.

"I can literally see the wheels turning in the kids' heads that this is changing them to be better stewards of our planet, to care more about nature, and to just feel more invested in their own future. When I have students who don't want to go home because they're just totally loving the experience, then I know that I did the right thing by bringing the kids here."

~Heather W., Science Teacher. Marion High School

SOLE School Outdoor Learning Experiences for K12

Trees For Tomorrow Environmental Education Center

ESTD 1944

Where every step counts

See scholarships and discounts on back page

Scholarships and Transportation Funding

Scholarships: Due to generous donations from individuals and corporations that support environmental education, scholarships are available. Inquiries and applications can be made through our Operations Manager, Mandy Gingerich..

Transportation Funding:
Funding for transportation to and from TFT is available through other organizations.

Earl St. John Education Fund: The Great Lakes Timber Professionals Association (GLTPA) is a non-profit organization committed to sustainable forest management in the logging industry. This fund continues the legacy of logging activist-legend Earl St. John, Jr. who believed in education as the key to sustainability. Email amount and purpose to FISTA (Forest Industry Safety & Training Alliance, Inc.) at info@fistausa.org.

Wheels to Woods (W2W) – Wisconsin Schools: The Wisconsin Society of American Foresters (WI-SAF) Diversity Equity and Inclusion (DEI) Committee with generous support from the Wisconsin Society of Science Teachers (WSST) has established this W2W transportation grant program to provide opportunities to increase recruitment of a diverse workforce within the broad realm of forestry. https://www.wisaf.org/w2w/

Wheels to Woods – Michigan Schools: Managed by the Michigan Sustainable Forestry Initiative (SFI), W2W reimburses actual travel costs to and from the event location. Preference will be given to schools using the Michigan Project Learning Tree Modules focused on Forestry. https://sfimi.org/wheels-to-woods.

Natural Resources Foundation Go Outside Fund (for transportation, supplies, subs, etc.): We know that nature provides tremendous physical and mental health benefits– yet today's children spend less than 1% of their time outside. The Go Outside Fund provides funding that helps connect youth to outdoor, nature-based learning experiences. https://www.wisconservation.org/grants/go-outside-fund/

Explore Wisconsin's Wildlife & Forests with TFT's Touch of The Wild Educational Trailer

OHEC Yes!

This "Touch of the Wild" trailer, developed in partnership with the Outdoor Heritage Education Center (OHEC), is a hands-on educational experience that lets students explore Wisconsin's diverse forests and wildlife up close. Featuring animals like a salamander, turkey, fox, and even an elk mount, it's a fantastic resource for learning about our state's natural heritage. The trailer lives at TFT but is available for any organization to reserve and use for no fee. Visit ohecyes.org to book it today!

Your organization acknowledges full responsibility for the pick-up and return of the trailer to the TFT's campus. The organization also agrees to bear all costs associated with any damage that may occur during transport, use, or storage of the trailer while it is in their possession.

Contact Operations Manager Mandy Gingerich for more information:
mandy@treesfortomorrow.com or 715.479.6456 x228

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www.TreesForTomorrow.com

Trees For Tomorrow® Environmental Education Center

Trees For Tomorrow's campus, located in Eagle River, Wisconsin, includes National Forest property under permit from the USDA Forest Service. Private property owned by Trees For Tomorrow (TFT), the Wisconsin Newspaper Association and Tara Lila LLC are also utilized for education and outreach purposes.