



VIRTUAL SCHOOL PROGRAMS

by Trees For Tomorrow®

Contact us

For more information and to schedule your virtual program contact Cheryl Todea at (715) 479-6456 or email ctodea@treesfortomorrow.com

TreesForTomorrow.com



Environmental Educator Bethany Heft with Animal Ambassador Apollo, a red-tail hawk.

Online Science

Accredited, virtual environmental programming designed to enhance your curriculum

Unable to attend Trees For Tomorrow's campus for programming? There are many options available!

Your students can learn from, and interact with, our professional educators in a LIVE virtual format via Zoom or Google Meet.



Select from the list of interactive virtual programs that are completely taught by TFT educators. No pre-requisites for these classes and you will not need to provide additional instruction.

Cost: \$150 for 30-60 minute lesson. Additional lessons \$100 each. Scholarships available.



Choose from a list of interactive virtual classes that you co-facilitate with our educators. These classes work best in a live, conversation-like format with screen sharing enabled. Our instructors lead portions of each class such as introductions and wrap-up, while you guide students through the process or data collection and group discussions. Lesson plans would be shared with you in advance with a planning meeting scheduled to discuss logistics and details of the lessons.

Cost: \$150-\$400 depending on format and TFT educator involvement in facilitating lessons. Scholarships available.





Online Science

Our Environmental Educators lead the entire course

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Select from the list to the right of interactive virtual programs that are completely taught by TFT educators. No pre-requisites for these classes and you will not need to provide additional instruction.

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Program	Age	Description	Notes
Birds of Prey	All	This slide program introduces students to general characteristics of raptors and families found in Wisconsin. A live bird of prey is available for this program	Slideshow (screen share), Apollo on camera
Logging Days/ Logging History	All	This slide program introduces students to what life was like in the early logging camps in Wisconsin in the 1800's	No games. Option to include modern logging extension slides for MS/HS
Wolves	All	This slide show helps students separate fact from fairy tale as they learn about wolf life, ecology, communication, and management techniques.	
Large Carnivore Management	HS,	This slide show discusses the ecology, distribution, and management regulations of 3 large carnivores (wolves, bears, and cougars) found in Wisconsin.	
Bats	All	This slide program focuses on these interesting and misunderstood flying mammals. Topics covered include various species of bats, and their ecology and conservation	
TFT History	All	This program focuses on the history behind TFT and the mission and goals of the organization since 1944	Shorter class ~ 20-30 min
Stories in the Snow	All	In this slideshow, students learn to recognize typical track patterns of Wisconsin mammals. Other common animal signs are discussed as well.	
Bog Ecology	All	Bog formation, distribution, and common bog plant identification are discussed in this slide program	Shorter class ~ 30 min
Loons	All	In this slideshow, students learn about loon behavior, calls, and conservation.	
Reptiles and Amphibians	All	This slide program introduces students to characteristics of reptiles and amphibians and introduces students to different species found in Wisconsin. Live reptiles are available for this program.	Slideshow, reptiles on camera
Pollinators	All	Students learn about the different classes and species of pollinators, and their ecological and economical value in this slideshow.	

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Online Science

Co-facilitate the course with our Environmental Educators



Choose from a list of interactive virtual classes that you co-facilitate with our educators. These classes work best in a live, conversation-like format with screen sharing enabled. Our instructors lead portions of each class such as introductions and wrap-up, while you guide students through the process or data collection and group discussions. Lesson plans would be shared with you in advance with a planning meeting scheduled to discuss logistics and details of the lessons.

Cost: \$150-\$400 depending on format and TFT educator involvement in facilitating lessons. Scholarships available.

Program	Age	Description	Notes	Materials Needed
Taking the Right Step	MS	After a brief introduction and discussion on weight displacement from TFT instructors, students will design their own “snowshoes” in the classroom for their “animal”. After gathering data on their “shoe” performance, students will participate in a discussion (led by TFT instructor) on successful shapes for snowshoe form, and learn about real-life animal adaptations for walking in snow	TFT instructor meets with class over virtual meeting software like Zoom or Skype to lead intro and wrap-up. Classroom teacher oversees building and testing of snowshoe part of class.	<ul style="list-style-type: none"> • Items with uniform weight (1 for each group) • Items to build “snowshoe”: popsicle sticks, toothpicks, string, plastic utensils, rubber bands, tape, etc. • Rulers
Tree Identification	All	TFT educators will lead a discussion on the unique characteristics of trees. TFT educators will perform a demonstration of using a dichotomous key with a sample on screen. Students then apply what they’ve learned using their own dichotomous keys on classroom samples or the school’s outdoor space.	TFT instructor meets with class over virtual meeting software like Zoom or Skype to lead intro and dichotomous key demo- classroom teacher helps students with in-class identification of samples or school trees.	<ul style="list-style-type: none"> • Dichotomous keys (TFT could share) • Outdoor space to practice OR tree samples
Nature’s Design	MS	TFT educators lead students in a discussion of adaptations and biomimicry in engineering design. Afterwards, students put on their own “engineering hats” and work together to design a new invention based on adaptations in nature!	TFT instructor meets with class on Zoom or Skype and gives a short presentation on biomimicry and engineering. Students work in classroom to research adaptations and create a new design. Classroom teacher leads in-class portion, TFT educator leads wrap-up portion.	<ul style="list-style-type: none"> • Computer access for student research • TFT could share paper resources

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Online Science

Co-facilitate the course with our Environmental Educators



Program	Age	Description	Notes	Materials Needed
Carbon Footprint/ Consumerism	HS	TFT educators discuss the amount of energy used in the manufacturing, packaging, and transport stages of a product in a slideshow format. TFT instructor then leads class on a calculation of their own carbon footprints and discusses with class how individuals might realistically reduce their resource use.	TFT educator presents Carbon Footprint Slideshow and walks class through calculations. Classroom teacher circulates to assist students on a one-on-one basis with calculations	<ul style="list-style-type: none"> • Calculators
Energy Basics	HS	Students learn about different types of energy through a TFT educator-led slideshow. Afterwards, students map energy flows in the school's outdoor space and/or indoor space.	TFT instructor leads discussion on energy types, flow of energy, and walks students through use of KEEP Energy Audit Kit materials. Classroom teacher supervises data collection portion, TFT instructor leads-wrap up on suggestions for better energy use	<ul style="list-style-type: none"> • Energy Audit Kits- teacher could check out from KEEP • Outdoor space
Introduction to Field-based Science Skills	MS	Your students will learn about observation and data collection skills, as well as Tree Identification and Wildlife tracking!	TFT educator leads students in discussion of observation techniques, performs a demo of Tree ID using dichotomous keys, and goes over tracking basics (7 wildlife signs, in slideshow format). Classroom teacher leads outdoor portion of Tree ID practice, and tracking.	<ul style="list-style-type: none"> • Dichotomous keys/ tracking guides (TFT could share) • Outdoor space (school grounds or school forest)
Dress A Beaver	E	TFT educators will transform into a beaver before your student's eyes, based on your students' input! Your students will learn about beaver adaptations and ecology in this fun, interactive, virtual format.	TFT educator meets with class live, and puts on beaver costume, one element at a time, based on student suggestions	
Wildlife Rehabilitation	HS	TFT instructors lead students in a discussion about wildlife rehabilitation. Afterwards, students are given scenarios (from previous on real-life situations) that they must work through as "wildlife rehabilitators". Then TFT educators lead a slideshow presentation that discusses what was decided in real-life in each of the scenarios. A live, re-habbed bird and turtle are available for this program.	TFT educator meets with class on Zoom or Skype. Students work on scenarios independently, with help from classroom teacher. TFT educator leads wrap-up slideshow and discussion, and shows Apollo/Sheldon.	<ul style="list-style-type: none"> • Wildlife rehabilitation materials (TFT shares worksheets and resources)

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Co-facilitate the course with our Environmental Educators



Program	Age	Description	Notes	Materials Needed
Trail Cameras	HS	TFT educators lead students in a discussion of trail cameras as a scientific tool through a slideshow presentation. Afterwards, students contribute to citizen science by classifying pictures in the DNR Wildlife project, Snapshot Wisconsin. Afterwards, students will examine data collected by Snapshot Wisconsin, and, led by TFT educators, participate in a discussion on what the data means and how it can be used.	TFT educator presents our slideshow + Snapathon in class. Classroom teacher would lead the snapathon portion. We would need to reach out to Snapshot WI prior to snapathon to make sure there were photos to classify	<ul style="list-style-type: none"> • Access to Zooniverse/Snap-shot Wisconsin • Snapshot WI data sheets (shared by TFT)
Thermal Adaptations	MS	TFT educators lead students in an exploration of how different materials affect insulation and heat loss. Afterwards, students will use their data to create graphs and analyze their findings. This class is a great way to help students practice graphing, and discuss the nature of science and setting up an experiment!	TFT educator leads introduction and experiment set-up. Classroom teacher oversees filling of containers with water, applying insulation, and taking temperatures. TFT educator walks students through graphing, and data analysis – classroom teacher circulates to assist students with graphing.	<ul style="list-style-type: none"> • Film canisters or other small containers with lids • Various scraps of materials (ex: wool, denim, cotton, polyester) • Rubber bands • Lab quests w/ temperature probes OR thermometers

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