

# HIGH SCHOOL EDUCATION PROGRAMS 2020-2021



**Schlitz Audubon**  
Nature Center

[www.schlitzaudubon.org](http://www.schlitzaudubon.org) | 414-352-2880

# General Information

## PROGRAMS AT SCHLITZ AUDUBON

Our field trips are an incredible way for students to see the very best of what Schlitz Audubon Nature Center has to offer. Your class starts the day with an introductory discussion as a large group. It then splits up into smaller groups of 8-15 students, each assigned to a Naturalist educator. We believe working in small groups provides more attention to detail and a direct hands-on approach that will give you and your students the highest quality programming available. Teachers receive pre- and post-trip materials for each program, ensuring that your knowledge from Schlitz Audubon extends beyond our time together. Our programs take place rain or shine; we respect the efforts and resources required to bring your students to the Center.

## PROGRAMS AT YOUR SCHOOL

In addition to offering programming at Schlitz Audubon, we can also join you in your own classroom, or at a Wisconsin natural area. Our Naturalists are always happy to provide a one-time program or yearlong partnership to augment your curriculum! Hour-long programs are offered for a variety of natural history topics such as plants, insects, reptiles & amphibians, plus our amazing raptor presentations. These programs are a great way to infuse meaningful science components into your existing curriculum, without the added details of scheduling bus transportation. Assembly style programs can serve up to 90 students and are highly interactive. Some programs include live animals. Through artifacts, discussions and activities these programs are perfect to introduce or reinforce the most vital aspects of your core learning areas.

## ACCESSIBILITY & SPECIAL NEEDS

We welcome students of all abilities and strongly believe that everyone should have the opportunity to benefit from nature. Our Naturalists will work with you to meet the needs of students or teachers. In addition, many of the trails at the Center are wheelchair accessible to ensure access for anyone with mobility challenges.

## SCHOLARSHIP FUNDS

Through the generosity of donors, Schlitz Audubon is able to offer scholarship funding to help students have the opportunity to connect with nature. Scholarships are available to eligible schools for both onsite and offsite programming. Please contact the Registrar at [registration@schlitzaudubon.org](mailto:registration@schlitzaudubon.org) to inquire about your school's eligibility.

## INQUIRIES

An easy way to plan your programming with Schlitz Audubon is through our online form. To inquire online, visit [www.schlitzaudubon.org](http://www.schlitzaudubon.org) and follow the hyperlinked form found on the School Programs page under the Education tab. If you have questions regarding our programs or the registration process, please contact the Registrar at 414-352-2880 x224.

## CANCELLATION POLICY

A fee will be charged for all canceled programs.  
\$50 for classes canceled with more than four weeks notice.  
\$100 for classes canceled with less than four weeks notice.

## STEM

Schlitz Audubon has several options that align with STEM initiatives. In our increasingly technological society, STEM education is an innovative approach that unlocks creativity, emphasizes teamwork, and uses skills and knowledge to solve real world problems in learners of all ages. Through discovery, modeling, and contextual learning, STEM education can be an effective way to help students meet the challenges of the future, achieve career success, and become informed citizens.

## CHAPERONES

Eight chaperones are invited to attend for free with each Schlitz Audubon on-site field trip. Student aides are welcome and encouraged for students with specific needs; these aides attend free of charge and do not count towards the eight free chaperone count. The School Programs Manager will send out pre-trip information, which will include the mandatory amount of chaperones needed to complement our small group teaching style. Additional chaperones are welcome to join for our admission fee of \$8.00.

## NEXT GENERATION SCIENCE STANDARDS

Schlitz Audubon's school programs explore concepts in 3 of the 4 NGSS domains of science: Physical Science, Life Science, & Earth and Space Science. The programs are an excellent way to supplement your curriculum to meet state science education standards. To receive a detailed chart on which core ideas each program covers, please email [registration@schlitzaudubon.org](mailto:registration@schlitzaudubon.org).


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### PROGRAM KEY

 Live animals

 Live raptors



*Schlitz Audubon is an independent, locally supported partner of the National Audubon Society.*



# Programs at Schlitz Audubon

## AQUATIC COMPARISON

**Grades:** 9 - 12

**Length:** 4.5 hours (Bring a bag lunch)

**Fee:** \$11.00 per student

**Minimum:** \$150.00

**Limit:** 50 students

**September—October and April—June**

Join Schlitz Audubon Naturalists in an engaging and intriguing hands-on tour of the various wetlands on the Schlitz Audubon property. Your students will become citizen scientists participating in activities to help us monitor the health of our wetlands. We will visit temporary wetlands, permanent wetlands and Lake Michigan to learn why they are an integral part of keeping our Great Lake Watershed healthy.

## CANOE ORIENTATION

**Grades:** 9 - 12

**Length:** 2 hours

**Fee:** \$65.00 + price of Canoe Trip

**Limit:** 50 students

**September—October and March—June**

This program is recommended prior to Wetlands by Canoe and Milwaukee River Canoe programs, and is designed to cover canoeing basics and help students feel comfortable on the water. Students spend their time learning canoeing fundamentals in the shallow waters of Mystery Lake here at the Center.

## CANOEING 101

**Grade:** 9-12

**Length:** 2 hours

**Fee:** \$6.50 per student

**Minimum:** \$100.00

**Limit:** 25 students

**September—October and April—June**

Would you like your students to have an aquatic experience they will never forget? Canoeing 101 gives them the opportunity to paddle a shallow one-acre lake at the Center - where frogs and turtles abound! This program is designed specifically for students with little or no paddling experience. Students learn aquatic ecology and teamwork in a controlled environment.

## DEER ECOLOGY

**Grades:** 9 - 12

**Length:** 2.5 hours

**Fee:** \$6.50 per student

**Minimum:** \$100.00

**Limit:** 50 students

**November—February**

White-tailed deer have been a part of the culture on the land we call 'Wisconsin' for centuries. This program will explore the history of human & White-tailed deer relationships from pre-settlement to today. During our hike, students will learn basic deer tracking and attempt to locate the deer that live on our 185-acre property.

## ECOLOGY

**Grades:** 9 - 12

**Length:** 2.5 hours

**Fee:** \$6.50 per student

**Minimum:** \$100.00

**Limit:** 50 students

**September—June**

Students have the opportunity to spend a morning or afternoon exploring nature, learning about ecology, and having hands-on fun. Students will leave understanding predator-prey relationships, photosynthesis, biodiversity, succession, and how interconnected nature is. This program begins indoors with live animals, then students venture out to explore Schlitz Audubon.

## ECOLOGY THROUGH GEOCACHING

**Grades:** 9 - 12

**Length:** 2.5 hours

**Fee:** \$6.50 per student

**Minimum:** \$100.00

**Limit:** 50 students

**September—June**

Geocaching combines technology with nature and learning. Students use GPS units supplied by the Center to discover natural landmarks on the property, then learn the natural history behind each one. Topics covered include Lake Michigan, ecology, photosynthesis, invasive species, urban deer, and more. The Center can accommodate a maximum of 10 separate groups of students. Schools must provide one adult for every group of students.

## ENVIRONMENTAL MATH: WHAT IS THE VALUE OF A TREE?

**Grades:** 9 - 12

**Length:** 2.5 hours

**Fee:** \$6.50 per student

**Minimum:** \$100.00

**Limit:** 50 students

**September—October and April—June**

This program focuses on how math applies to the physical world. Students will use basic mathematical formulas to measure the age and growth rate of trees. They will also get their hands dirty and become citizen scientists by determining water quality through sampling for macroinvertebrates in our ponds.

## FEATHERED MIGRATION

**Grades:** 9 - 12

**Length:** 2 hours

**Fee:** \$7.50 per student

**Minimum:** \$150.00

**Limit:** 50 students

**September—October and April—May**

Schlitz Audubon is located along the Mississippi Flyway, a path used by more than 300 bird species. Students will explore the motivations for migration, the tools birds use to make their journeys, and why the flyway and the birds that use it are important to the health of the ecosystem. Along with learning how we can make the journey safer for migrating birds through a beach clean-up, students will explore Schlitz Audubon using binoculars to see migrating birds in action. Some of the Center's resident raptors will provide a firsthand experience that highlights the themes of this program.

# Programs at Schlitz Audubon

## GREEN FUTURE

**Grades: 9 - 12**

**Length: 2.5 hours**

**Fee: \$6.50 per student**

**Minimum: \$100.00**

**Limit: 50 students**

**September—June**

In this program, we highlight our environmentally green, Gold LEED (Leadership in Energy and Environmental Design) award winning building as a model of sustainability. Students participate in an interactive tour, including a scavenger hunt to discover the sustainable features of our building, as well as a relay race to learn what can be composted, recycled, and what ends up in a landfill. We follow up these activities with discussions on why it matters and what we can all do in our daily lives to leave little impact on our planet.

## LAKE MICHIGAN

**Grades: 9 - 12**

**Length: 2.5 hours**

**Fee: \$6.50 per student**

**Minimum: \$100.00**

**Limit: 50 students**

**September—November and March—June**

This program helps students appreciate one of Wisconsin's greatest natural resources—Lake Michigan. They comb and sample near shore areas of our Great Lake to learn about the life that inhabits its hidden depths. Indoor activities and demonstrations graphically illustrate important issues affecting the lake.

## POND LIFE

**Grades: 9 - 12**

**Length: 2.5 hours**

**Fee: \$6.50 per student**

**Minimum: \$100.00**

**Limit: 50 students**

**September—October and April—June**

The ponds of the Center offer myriad life forms hidden inside their depths. We will investigate these creatures hands-on and up close using special projection equipment. In this program, students explore the concepts of food pyramids, predator-prey relationships, adaptations, communities, and biodiversity.

## RAPTORS: PREDATORS OF THE SKY

**Grades: 9 - 12**

**Length: 4.5 hours (Bring a bag lunch)**

**Fee: \$11.00 per student**

**Minimum: \$150.00**

**Limit: 50 students**

**September—February and April—June**

This program provides the basic components for students to identify bird characteristics and specific adaptations that make raptors uniquely skilled hunters. Each program begins with students observing a mix of the Center's falcons, hawks, and owls up close! Additional discovery is highlighted in outdoor field studies with students experiencing raptor hunting, territorial and behavioral strategies, and learning about the role that raptors play in a healthy ecosystem. They also have the opportunity to touch and hold artifacts: raptor feet, wings, feathers, and heads. Young biologists discover an owl's nightly dinner menu through the process of pellet dissection.

## REPTILES & AMPHIBIANS

**Grades: 9 - 12**

**Length: 2.5 hours**

**Fee: \$6.50 per student**

**Minimum: \$100.00**

**Limit: 25 students**

**September—October and April—June**

Students get a hands-on look at the snakes, turtles, lizards, frogs, and salamanders of Wisconsin. They will learn the many adaptations – structural and behavioral – that these creatures possess in order to survive in the environment. With nets in-hand, we also venture into their habitats in search of the animals.

## TRACKING BY SNOWSHOE

**Grades: 9 - 12**

**Length: 2.5 hours**

**Fee: \$6.50 per student**

**Minimum: \$100.00**

**Limit: 30 students**

**December—February**

Explore the world of winter in the beautiful setting of our forests, fields, and lakes by snowshoe! Students will learn how humans have used snowshoes for thousands of years as a means of winter survival. With snowshoes strapped to their feet students will embark on an animal ecology exploration by examining the ubiquitous tracks and signs winter creatures leave behind. \*Snowshoe use depends on amount of snow.

# Programs at Your School

## EAGLE AND FRIENDS

**Grades:** 9 - 12

**Length:** 1 hour

**Fee:** \$250.00 per program\*

**Limit:** 90 students

**September—May**

Wisconsin is home to many raptor species, including the Bald Eagle. Compare a Bald Eagle to a hawk, falcon, and owl in your classroom to appreciate the awesome size and power of our national symbol. Explore the role these predators play in our shared ecosystems and the story of human conservation efforts that saved the Bald Eagle. Live birds provide a memorable beak to nose experience, and artifacts allow for additional hands-on interpretation and exploration. The Raptor Educator facilitating the experience can tailor the program to focus on a theme of adaptations, habitats, feathers, flight, or a theme specific to your classroom.

*\*Free-flight component is available for an additional fee of \$50 from mid-April to mid-November.*

## FEATHERED MIGRATION

**Grades:** 9 - 12

**Length:** 1 hour

**Fee:** \$225.00 per program

**Limit:** 90 students

**September—May**

Wisconsin is located along the Mississippi Flyway, a path used by more than 300 bird species. Students will explore the motivations for migration, the tools birds use to make their journeys, and why the flyway and the birds that use it are important to the health of our environment. Along with learning how we can make the journey safer for migrating birds, students will meet live raptors that will provide a firsthand experience highlighting the themes of this program.

*\*Free-flight component is available for an additional fee of \$50 from mid-April to mid-November.*

## OWLS: DESIGNED FOR DARKNESS

**Grades:** 9 - 12

**Length:** 1 hour (Add 30 min for pellet dissection)

**Fee:** \$225.00 per program\*

**Limit:** 90 students

**September—May**

Do all owls hoot? Do all owls eat mice? The owl ambassadors of Schlitz Audubon will answer these questions and more as they provide first-hand encounters with these rarely seen raptors. Students will explore the adaptations that make owls successful predators of the night, and interact with artifacts. Your class will gain an appreciation for their nocturnal neighbors and the invaluable role they play in our ecosystem. The Raptor Educator facilitating the experience can tailor the program to focus on a theme of adaptations, habitats, feathers, flight, or a theme specific to your classroom.

*\*Owl pellet dissection is a fun hands-on way for students to take their learning to the next level. This activity encourages cooperation, reasoning, observation, and patience. Pellets can be purchased at a cost of \$3 each. A Raptor Educator will guide the 30-minute dissection for an extra fee of \$50.*

## RAPTORS: BEAKS AND TALONS

**Grades:** 9 - 12

**Length:** 1 hour

**Fee:** \$225.00 per program\*

**Limit:** 90 students

**September—May**

A hawk, falcon, and owl from Schlitz Audubon's Raptor Program will highlight the tools raptors use to be successful predators of the sky. Students are encouraged to compare and contrast between species to discover the unique adaptations of each family. Live birds provide a memorable beak to nose experience, and artifacts allow for additional hands-on interpretation and exploration. The Raptor Educator facilitating the experience can tailor the program to focus on a theme of adaptations, habitats, feathers, flight, or a theme specific to your classroom.

*\*Free-flight component is available for an additional fee of \$50 from mid-April to mid-November.*

# Outdoor Programs at Your School

## GEOCACHE IN YOUR NEIGHBORHOOD

**Grades:** 9 - 12

**Length:** 2-2.5 hours

**Fee:** \$200.00

**Limit:** 30 students

**September—November and March—June**

This program teaches students how to geocache inside and outside their very own classroom. We start with an overview of geocaching basics and how to navigate with the GPS units. After that, we explore your school's neighborhood and lead students toward cache boxes full of treasure (our team arrives in advance to put these into place). Schlitz Audubon Nature Center provides GPS units and students will supply the trinkets to swap for treasure they find.

## NATURAL AREAS AT YOUR SCHOOL

**Grades:** 9 - 12

**Length:** 2 hours

**Fee:** \$200.00

**Limit:** 25 students

**September—June**

Does your school have a pond or natural area? Perhaps there is a park nearby. Our Naturalists can lead your students to scientific investigations of these sites including insect collection, plant identification, water quality monitoring, and much more. We will bring all necessary equipment and activities. It is a great way to incorporate a more thorough understanding of these familiar and valuable spaces.

## POND LIFE

**Grades:** 9 - 12

**Length:** 2.5 hours

**Fee:** \$200.00

**Limit:** 25 students

**Fee:** \$400.00

**Limit:** 50 students

**September—October and April—June**

Schlitz Audubon Naturalists will bring equipment for students to investigate the numerous aquatic life forms near your school. We conclude with a creature feature inside your school that describes the many adaptations of the student's conquests. Giant water bugs, snapping turtles, and bullfrogs are just some of the creatures students might see.

## TRACKING BY SNOWSHOE

**Grades:** 9 - 12

**Length:** 2.5 hours

**Fee:** \$200.00 per program

**Limit:** 30 students

**December—February**

Explore the world of winter in the location of your choice. Students learn about winter survival, snow and ice phenomena, and animal ecology by examining the tracks and signs they leave. Program does not depend on snow cover. The Center provides snowshoes.

# Outdoor Programs at Your School

## **AMPHIBIANS OF WISCONSIN**

**Grades: 9 - 12**

**Length: All day (Bring a bag lunch)**

**Fee: \$225.00 per program**

**Limit: 25 students**

**April—June**

We will investigate special breeding ponds in the height of amphibian courtship and egg laying. Searching for, capturing, and studying these fascinating creatures will captivate every student's attention. The Center provides hip waders and nets for students.

## **CEDARBURG BOG AND FOREST**

**Grades: 9 - 12**

**Length: All day (Bring a bag lunch)**

**Fee: \$225.00 per program**

**Limit: 25 students**

**Fee: \$450.00**

**Limit: 50 students**

**September—October and April—June**

This is one of the most pristine natural areas in southern Wisconsin – and one of the most unique. A geologic remnant of a time and place gone by, this “northern” climate is unmatched in its ecological value. Students spend the morning hiking an extensive boardwalk system through the cattail marsh and string bog. Investigate an incredible world where plants eat animals, and life forms are preserved for thousands of years. In the afternoon we will hike an extensive mature maple forest with remarkable evidence of succession stages. The uncut woods are home to a variety of bird, amphibian, and mammal species.

## **DEVIL'S LAKE STATE PARK**

**Grades: 9 - 12**

**Length: All day (Bring a bag lunch)**

**Fee: \$225.00**

**Limit: 25 students**

**Fee: \$450.00**

**Limit: 50 students**

**September—October and April—June**

This trip includes an unforgettable visit to Wisconsin's most popular state park, and its first designated natural area. We'll hike this spectacular geologic treasure trove across the east bluff trail to incredible vistas and landmarks such as Elephant Rock & Cave, Devil's Doorway, and the mysterious Potholes formations. The geology of the region spans from Pre-Cambrian times and highly specialized micro-climates exist for exploration. When conditions allow, we travel across the Wisconsin River via the Merrimac Ferry. We also visit the spectacular gorge of nearby Parfrey's Glen to provide insight and evidence to the stormy early history of the Baraboo Hills.

## **ECOLOGY ALONG THE ICE AGE TRAIL**

**Grades: 9 - 12**

**Length: All day (Bring a bag lunch)**

**Fee: \$225.00**

**Limit: 25 students**

**Fee: \$450.00**

**Limit: 50 students**

**September—May**

Wisconsin has a rich heritage of natural resource preservation and education. This trip showcases both as we cover more than one mile of the beautiful Southern Kettle Moraine trail outside of Eagle. The journey begins at the Visitor's Center to better understand the geologic forces that shaped the region. Our hike covers a variety of habitats from forest and prairie to field and stream. This amazing natural area has a tradition of human settlement from American Indians through European settlers to modern day farmers and sportsmen. The beauty and grandeur of the landscape coupled with the constant anticipation of discovery in these bio-diverse communities makes this format always rewarding. Winter months highlight glacial features and animal signs.

## **GLACIAL GEOLOGY OF NORTHERN KETTLE MORaine**

**Grades: 9 - 12**

**Length: All day (Bring a bag lunch)**

**Fee: \$225.00**

**Limit: 25 students**

**Fee: \$450.00**

**Limit: 50 students**

**September—October and April—June**

There may be no better place on the planet to see and study Ice Age features than Wisconsin's own Northern Kettle Moraine State Forest. Renowned for its geologic beauty, the day begins at the Ice Age Trail Visitor's Center just outside of Dundee, east of Campbellsport. Displays and information allow us to understand the processes behind the formation of these special relics. We then take a bus tour of the many forms the ice sheet left on the landscape and hike up to and over them. Spectacular sights include a kame, esker, moraine, and a kettle lake. The program is wonderful exercise combined with scientific education, and everyone loves the trek to the top of Parnell Tower. Enjoyable any time of the year, features are most visible when the leaves are off the trees.

## **HORICON MARSH & MOUNDS TOUR**

**Grades: 9 - 12**

**Length: All day (Bring a bag lunch)**

**Fee: \$225.00**

**Limit: 25 students**

**Fee: \$450.00**

**Limit: 50 students**

**September—October and April—June**

Experience one of the world's greatest sites for bird watching, as we make various stops around and in the Horicon Marsh, and at nearby nature centers. The area is also known for being a gathering point of American Indian culture. We will venture out in search of the many animal shaped effigy mounds that were built hundreds of years ago.

# Programs at Your School or a Natural Area

## KETTLE MORaine SNOWSHOE

**Grades:** 9 - 12

**Length:** All day (Bring a bag lunch)

**Fee:** \$225.00 per program

**Limit:** 25 students

**December—February**

The Northern and Southern Kettle Moraine forests contain some of the largest and highest quality wildlife habitats in southern Wisconsin. Winter boldly displays the habits and activities of dramatic wildlife. We will exit formal trails and track these fascinating creatures to their denning sites. Schlitz Audubon supplies snowshoes.

## MILWAUKEE RIVER CANOE

**Grade:** 9 - 12

**Length:** All day (Bring a bag lunch)

**Fee:** \$275.00\*

**Limit:** 25 students

**\*Add \$65.00 with required Canoe Orientation**

**September—October and March—June**

Discover the Milwaukee River by canoe, where wildlife is abundant in many stretches. Explore adaptations and niches in the river. Venture through and come to understand a suburban river's relationship to the surrounding areas. This program begins just north of Thiensville, unless requested otherwise. A great complement to the Wetlands Canoe program.

*\*Prior to this program, we recommend students complete our Canoe Orientation class.*

## MILWAUKEE RIVER EXPLORATION

**Grade:** 9 - 12

**Length:** 2.5 hours

**Fee:** \$225.00 per program

**Limit:** 25 students

**September—October and April—June**

This exploratory hike takes place at the Center's 40-acre Milwaukee River property on Brown Deer Road. By wading in the shallow riffle areas adjacent to the forest, and using various nets and seines to capture water creatures, students calculate the biotic index and confirm the relatively high quality of the river. Uncover the activities of the many animals that utilize these last remaining natural areas of the Milwaukee River. Schlitz Audubon supplies hip waders.

## SAND DUNES OF KOHLER ANDRAE

**Grade:** 9 - 12

**Length:** All day (Bring a bag lunch)

**Fee:** \$225.00

**Limit:** 25 students

**Fee:** \$450.00

**Limit:** 50 students

**September—October and April—June**

Of all the wondrous habitats in our state, the sand dunes of Kohler Andrae remain a mystery to many people. During this program, hike along the cordwalk and learn about the adaptations of the life forms that live with the dryness and wind of this habitat. We also venture off the cordwalk to learn about dune ecology.

## WETLANDS BY CANOE

**Grades:** 9 - 12

**Length:** All day (Bring a bag lunch)

**Fee:** \$275.00

**Limit:** 25 students

**Fee:** \$550.00

**Limit:** 50 students

**\*Add \$65.00 w/canoe orientation**

**September—October and March—June**

Using the Center's canoes, students are invited to intimate views of the fascinating creatures in a wild marsh. Important wetland concepts are developed in discussions about student discoveries. The program requires the school to arrange bus transportation to a site within an hour of the school. Popular sites are Mukwonago River Wetlands, Rome Pond Wildlife Area, and Lulu Lake Natural Area.

*\*Prior to this program, we recommend students complete our Canoe Orientation class.*