



MIDDLE/HIGH SCHOOL PROGRAMMING



**A complete guide to our
6th - 12th grade curriculum
options.**

Find us here!

Exit 1, I-196

2300 N. Benton Center Rd.

Benton Harbor, MI 49022





Sarett

NATURE CENTER

MIDDLE/HIGH SCHOOL PROGRAMMING

Our Mission

Sarett Nature Center's main mission is to provide environmental education to students in our community. We offer many programs to meet classroom requirements for all grade levels. Check out our list of programs or give us a call to learn more. We can't wait to see you!

Making Reservations

We offer school programs Tuesday through Friday. *Please call or email us with your name, school, grade, number of students, program, date, and time preferences* (please have alternative dates and times ready in case we are already booked).

For groups under 10 participants, outside programming is possible too. Please contact us for more information.

269-927-4832



sarett@sarett.org



www.sarett.org

Can't make it to Sarett? We can come to you!

TRAVELING NATURALIST

Duration: 30-45 minutes

Cost: \$80 for first program, \$55 for additional programs on the same day, \$25 mileage fee beyond 25 miles away.

Maximum group size: 40 participants

HYBRID PROGRAMS

A hybrid program includes both shared, virtual media prior to a program and a time at your school, outside, with a naturalist.

Cost: \$100 for first class visit, \$55 for additional programs on the same day.

See a complete list of alternate program details on page 9.

MIDDLE AND HIGH SCHOOL FIELD TRIP PROGRAMS	
Bird Study [1.5 hr, \$4]	Natural Communities of Sarett [1.5 hr, \$4]
Cross-Country Skiing [Full day, \$8]	Nature Stewardship [2 hr, \$5]
Dune Study [2 hr, \$5]	River Valley Study [1.5 hr, \$4]
Exploring the Pond [1.5 hr, \$4]	River and Dune Study [Full day, \$12]
Fossils [1.5 hr, \$4]	Rocks and Minerals [1.5 hr, \$4]
GPS/Geocaching [Full day, \$8]	Sarett Field Day [Full day, \$8]
Grand Mere Day [Full day, \$12]	Skull Study [1.5 hr, \$4]
Green Machine [2 hr, \$5]	Snowshoes [1.5 hr, \$5]
Maple Sugaring [1.5 hr, \$4]	Voyager Canoes
Michigan Natives [1.5 hr, \$4]	Wetland Ecosystem Study [Full day, \$8]

Full day programs are 4.5 hr programs from 9:30 am - 2:00 pm

The programs above are all tailored to be age appropriate for 6th-12th grade students, but do not all meet curriculum standards for specific grades. They can still be used as great supplemental instruction when applicable. Please see the program descriptions for a complete list of curriculum standards covered for each program.

Help us help you!

We are continuing to develop programming for Middle and High School students and we would love your input. For any ideas on classes that would help fulfill your curriculum needs, please contact our Education Coordinator. We would be happy to create new programming for your group.

Juliet Golob, Senior Naturalist and Education Coordinator - julietg@sarett.org

Program Descriptions



BIRD STUDY

1.5 hr program

Fee: \$4

Students study bird adaptations and bird identification techniques before venturing out on the trails with binoculars to practice their new skills.

(MS-LS1-4)



CROSS-COUNTRY SKIING AND WINTER ECOLOGY

9:30 a.m. to 2:00 p.m.

Fee: \$8

Learn winter ecology the fun way—on cross-country skis. If there is no snow available consider the Sarett Field Day as a great alternative/back-up program.



DUNE STUDY

2 hr program

Fee: \$5

Learn about our area's unique resource at Grand Mere State Park. Study dune formation, beach ecology and more. *(6-G2.1.1, 6-G3.2.1, MS-LS2-4, MS-ESS2-3, MS-ESS1-4)*



EXPLORING THE POND

1.5 hr program

Fee: \$4

Take a close look at a pond ecosystem. Equipped with pond scoops, survey the aquatic macroinvertebrates in the pond and use them to calculate the water quality in the area. *(MS-LS2-4, HS-LS2-4)*



FOSSILS

1.5 hr program

Fee: \$4

Students view a variety of fossil species, learn about the process of fossilization, and use a scientist's deductive reasoning to describe an "ancient ecosystem."

(MS-ESS2-3, MS-ESS3-1)

Program Descriptions



GPS/GEOCACHING

9:30 a.m. to 2:00 p.m. Fee: \$8

Students use GPS technology to navigate to sites where teams complete a variety of natural science challenges. (P1.1, 6 – G1.1.1)

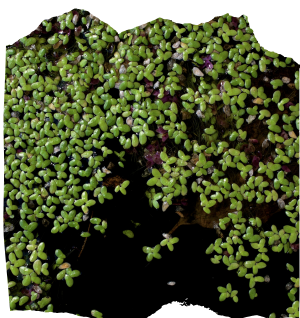


GRAND MERE DAY*

9:30 a.m. to 2:00 p.m. Fee: \$12

Spend the morning hiking the dunes at Grand Mere State Park all the way to the beach and back. You will learn about dune formation and the ecology of what lives in the sandy mountains. Then head to North Lake Park to have lunch and enjoy the afternoon with a seasonal activity, kayaking, and voyager canoeing. (6–G2.1.1, 6–G3.2.1, MS-LS2-4, MS-ESS2-3, MS-ESS1-4, HS-LS2-4)

**September, Late April, May, & June*



GREEN MACHINE*

2 hr program Fee: \$5

Learn plant parts and their functions as well as what all plants need to survive. Go on a walk to identify various plants on the property and compare and contrast their adaptations based on their ecosystems. (MS-LS1-6, MS-LS2-3, HS-LS1-5)

**Best in September, October, Late April, & May*



MAPLE SUGARING - March only

1.5 hr program Fee: \$4 (including parents)

Additional fee for candy to take home

For a short time each year the sweet sap of the maple tree can be collected and turned into the most delicious syrup. Learn how the Native Americans and pioneers produced this sweet treat.



MICHIGAN NATIVES

1.5 hr program Fee: \$4

Michigan is home to a wide variety of invertebrates, amphibians, reptiles, birds and mammals. Learn about the adaptations of these animals that make them fit for living in the Michigan climate as well as the threats towards their populations. (MS-LS1-4)

Program Descriptions



NATURAL COMMUNITIES OF SARETT

1.5 hr program

Fee: \$4

Explore four of the natural ecosystems of Sarett: dry meadow, dry forest, wet meadow, and wet forest. Find out about the animals and plants that live there. *(MS-LS2-2, MS-LS1-4, HS-LS2-4)*



NATURE STEWARDSHIP

2 hr program

Fee: \$5

Students learn what it means to have a healthy environment and how people can be good caretakers of nature. The experience includes a hands-on stewardship activity such as invasive plant control or similar seasonally appropriate action. Gloves and tools are provided. *(MS-LS2-5, HS-LS2-6, HS-LS2-7, HS-LS4-6, HS-ESS3-3)*



RIVER VALLEY STUDY

1.5 hr program

Fee: \$4

Visit Sarett to explore the Paw Paw River Valley. Learn how the valley has changed over time and about the plants and animals that live there, including their adaptations. *(6 – G2.1.1, 6 – G3.2.1, MS-ESS4-1)*



RIVER AND DUNE STUDY

9:30 a.m. to 2:00 p.m.

Fee: \$12

Spend the morning at Sarett learning about the Paw Paw River Valley, the plants and animals that live there, and their adaptations. After lunch, travel to Grand Mere State Park to explore the sand dunes to compare and contrast the two environments. *(6 – G2.1.1, 6 – G3.2.1, MS-LS2-2, MS-ESS2-3, MS-ESS1-4)*



ROCKS AND MINERALS

1.5 hr program

Fee: \$4

Learn about the sedimentary, igneous, and metamorphic rocks that make up the earth's surface. We have many rock and mineral samples for students to see and touch. A great November and December program or request a Traveling Naturalist Program and we will bring the rocks to you! *(MS-ESS2-3, MS-ESS3-1)*

Program Descriptions



SARETT FIELD DAY *Newly added!

9:30 a.m. to 2:00 p.m. Fee: \$8

This program is a great option as an alternate program for Cross-Country Skiing or for anytime during the year to come out and have a fun day at Sarett! Pick 4 activities from a list of indoor/outdoor options. See a full list of details and activities on page 8.



SKULL STUDY

1.5 hr program Fee: \$4

Use a variety of real/replica skull samples to see what you can learn from the skull alone. Discuss different adaptations for predator and prey species and use a dichotomous key to identify skulls in a group. Great for smaller classes. *(Look up curriculum)*



SNOWSHOES

1.5 hr program \$5/each individual wearing snowshoes, including parents

Learn how early people developed snowshoes and study winter ecology while snowshoeing.



VOYAGER CANOES

45 min - 1 hr

Fee: \$90/canoe at Grand Mere or Paw Paw Lake

\$120/canoe at Douglas

\$110/canoe at all other locations

Michigan's natural resources shaped our cultural history. During the 1700s, voyageurs traveled our waterways transporting furs. Relive history and learn about our present-day natural resources with a ride in 34-foot replica canoes. Canoes can hold up to 19 students or 16 with students and adults.



WETLAND ECOSYSTEM STUDY

9:30 a.m. to 2:00 p.m. Fee: \$8

Students learn how wetlands affect waterways, compare several types of wetlands, identify adaptations of wetland plants and animals, and conduct biological surveys of Sarett's wetland ecosystems using various water testing procedures. *(MS-LS2-5, HS-LS2-4)*

Sarett Field Day!

9:30 a.m. to 2:00 p.m.

Fee: \$8

This program is a great option as an alternate program for Cross-Country Skiing or for anytime during the year to come out and have a fun day at Sarett! Pick 4 activities from the list of indoor/outdoor options below. Students break into 4 groups to rotate through these activities, many of which are great for teambuilding.

Fossils

Learn how to identify Michigan fossils in this hands on experience.

Mammal Study

Mammals are some of the most active animals all year round (including winter). Take a closer look at mammal mounts and pelts to learn more about the mammals in our area.

Bird Study

Michigan is home to a wide variety of bird species that migrate in and out with the seasons. Discuss their adaptations and identify them to learn more.

Orienteering

Students learn how to use a compass and how to pace out their steps to follow a scavenger hunt in the building.

Geocaching *Outside

Use GPS units to find caches hidden around the Nature Center property.

Nature Stewardship *Outside

Use basic hand tools to help clear invasive species on Sarett property and learn the importance of managing habitats. (equipment provided)

Winter Skills

Learn about the proper ways to stay safe outside in the winter with this fun group quiz game.

Seasonal Games *Outside

Participate in a variety of group outdoor games/activities.

Seasonal Scavenger Hunt *Outside

Hike the trails in search of signs of nature still visible in the winter.

Traveling Naturalist

Traveling Naturalist programs allow Sarett to bring programming into your school. This programs can be done in the classroom or in outdoor spaces as the weather allows.

Duration: 45 min - 1 hr

Cost: \$80 for the first program, \$55 for any additional programs on the same day, \$25 mileage fee 25 miles away or more.

Maximum Group Size: 40 participants

Traveling Program Options



BIRD MIGRATION

Naturalists review bird adaptations with students and discuss the how and why birds migrate. Students track bird migration on eBird or weather radar. Students also have the opportunity to learn how to use binoculars as they walk around the outside of the school. Naturalists will also help the students start a bird journal. *(MS-LS1-7 MS-LS2-1 MS-LS2-3 MS-LS2-4 MS-LS2-2)*



FOSSILS

Students view a variety of fossil species, learn about the process of fossilization, and use a scientist's deductive reasoning to describe an "ancient ecosystem." *(MS-ESS2-3, MS-ESS3-1)*



MICHIGAN NATIVES

Michigan is home to a wide variety of invertebrates, amphibians, reptiles, birds and mammals. Learn about the adaptations of these animals that make them fit for living in the Michigan climate as well as the threats towards their populations. *(MS-LS1-4)*

Continued on next page.

Traveling Program Options



ROCKS AND MINERALS

Learn about the sedimentary, igneous, and metamorphic rocks that make up the earth's surface. We have many rock and mineral samples for students to see and touch. (*MS-ESS2-3, MS-ESS3-1*)



SLIME AND SCALES

Discover the world of herpetology by looking at the differences between reptiles and amphibians. Both native and non-native species will be discussed using our live animal ambassadors. (*MS-LS2-1 MS-LS2-4 MS-LS1-4*)



WILDLIFE WONDERS

This is our most popular program! Sarett naturalists bring a variety of animal ambassadors and taxidermied mounts to discuss animal adaptations, diet and habitat of different animal types. (*MS-LS2-1 MS-LS2-4 MS-LS1-4*)



YOU AND YOUR ENVIRONMENT

What impact do we have on the environment? How does everything we do affect a watershed? In this conservation class, learn what you can do to help reduce your impact on the world around you. (*MS-LS2-5, MS-LS2-3, HS-LS2-4, HS-LS2-7, HS-LS4-6, HS-ESS3-3*)

Many of our animal ambassadors are affected by temperature. If you are looking to do your program outside, please decide on a backup program or date in case we cannot do the program as requested.

Hybrid Programs

A hybrid program includes both shared, virtual media prior to a program and a time at your school, outside, with a naturalist. We ask that students watch the shared media presentation prior to a naturalist's visit. Location must have a natural area on the property.

Duration: 45 minute class visit with Q&A and additional activities

Cost: \$100 for the first program, \$55 for any additional programs on the same day, \$25 mileage fee beyond 25 miles away.

Maximum Group Size: 40 participants

Hybrid Program Options



ECOSYSTEM HEALTH

Follow naturalists as they explore what makes up an ecosystem from sunshine to plants to animals and humans. Discuss the importance of biodiversity and explore how to recognize symptoms of an unhealthy ecosystem and what can we do to heal it. (*MS-LS2-1, MS-LS2-4, MS-LS2-5, MS-LS1-4, HS-LS2-4, HS-LS2-6, HS-LS2-7, HS-LS4-6, HS-ESS3-3*)



GEOCACHING

Students use GPS technology to navigate to sites where teams complete a variety of natural science challenges. Access to grounds prior to program will be necessary to set up locations. (*P1.1, 6 – G1.1.1*)



GREEN MACHINE

Learn plant parts and their functions as well as what all plants need to survive. Go on a walk to learn some of the trees, flowers and shrubs of our area. (*MS-LS1-6, HS-LS1-5*)

Continued on next page.

Hybrid Program Options



MAPLE SUGARING AT YOUR SCHOOL

*mid-February to March

Learn how to identify maple trees at your school, tap one of the trees and find out how the Native Americans and pioneers produced this sweet treat. Access to school grounds prior to program will be necessary to determine which trees can be tapped.



RIVER AND DUNE STUDY

*seasonal

Learn about the Paw Paw River Valley at Sarett, the plants and animals and their adaptations. Later, travel to Grand Mere State Park for the in-person visit to explore the sand dunes and compare the two environments. (6-G2.1.1, 6-G3.2.1, MS-LS2-2, MS-ESS1-4, MS-ESS2-3)



WINTER ECOLOGY & SNOWSHOEING

*seasonal

Learn winter ecology on snowshoes! Students will learn how snow crystals form and how animals deal with winter conditions. Then, set out on a snowshoe hike to look for animal tracks. (MS-LS2-1, MS-LS2-3, MS-LS2-4)

Having a community event?

Maybe a science night, or parent/student gathering? Whatever the case, Sarett offers the option to have a table at your event! We can bring information on the nature center and our programming as well as animal mounts, pelts, skulls, rocks and more that are available for guests to touch and ask questions about; even live animals if the setting allows. Let us bring a mini nature center to you!

Duration: 2 hours

Cost: \$125, \$25 mileage fee beyond 25 miles away.

For the cost of events longer than 2 hours, please call 269-927-4832 or email sarett@sarett.org



269-927-4832

sarett@sarett.org

www.sarett.org

Contact us to set-up your field trip today. We look forward to seeing you!

Hours of Operation:

Tuesday-Saturday: 10:00am - 5:00pm

Sunday: 1:00pm - 5:00pm