



It has helped me with career choices and lots of things. It had had a positive impact on me.
-Calhoun County Camper

What's the camp schedule?

A tentative daily schedule follows:

7 a.m. – Wake-up

(optional early morning activities include fishing and polar bear swim)

8 a.m. – Breakfast

9 a.m. – Great Lakes ecology exploration sessions
(attend a different session each day)



1. Maritime Heritage & Shipwrecks – All aboard the glass-bottom boat! Each camper will cruise the Thunder Bay National Marine Sanctuary waters in an area known as “shipwreck alley” to discover the history that lies below. Become a maritime archaeologist for the day as you explore the immersive exhibits at the Great Lakes Maritime Heritage Center to learn how scientists use modern technology to study this unique area of Lake Huron and why it claimed so many ships.

2. Watersheds and Lakes – Get your hands dirty while exploring aquatic ecosystems! Make lake observations from a boat while collecting lake bottom samples to identify what is there, how it got there and what it does. Conduct chemical experiments on the water to determine if it is safe for fish and people.

3. Forestry & Wildlife – We depend on trees and forests for so much – food, shelter and many products you may not have considered. Trees and forests also help the environment with healthy soil, clean air and clean water. Wildlife also depends on a healthy forest. Explore forest communities with foresters to learn forestry practices and techniques while gaining an appreciation of how forests are managed for timber production, wildlife and recreation.

4. Environmental Stewardship – When we hear “throw it away,” where is “away”? Campers will engage in real-life simulations that take a challenging look at lifestyles and choices and their effects on the environment. Discover where waste goes and strategies to eliminate it. See how society makes it easy not to think about tomorrow and long-term effects. Identify ways you can become a better environmental steward and create a plan to use when you return home.

5. Coastal Wetlands – Explore the shoreline of Lake Huron. Discover the unique life forms of wetlands and the reasons they are so important to our Great Lakes ecosystems and watersheds. Learn hands-on using tablets and GPS technology for mapping plants and animals of coastal habitats for science research.

Noon – Lunch

12:30 p.m. – Announcements, group meetings, personal time

1:30 p.m. – Recreation learning options

You'll attend five different options. For first-time campers, these include filleting fish caught during charter fishing. Other possibilities are archery, air rifle shooting, canoeing, outdoor survival, GPS EarthCache hike, photography, sea lamprey research, quarry field trip, lighthouse tour, national marine sanctuary tour, forest fire prevention, crafts, and swimming enhancement for those who can't swim well or at all. Strong swimmers will also have the chance to go kayaking, sailing and snorkeling.

3 p.m. – Swimming and beach activities

5:30 p.m. – Dinner

6 p.m. – Group game activities



I now understand the importance of our environment, how to improve the quality of Earth and how to inform others. I had fun, learned lots, loved the wildlife, and understand many aspects of nature.
-Oakland County Camper



It has influenced me to become a marine biologist and help protect the natural resources. It was also a big confidence builder.
-Washtenaw County Camper

8:30 p.m. – Evening program and snack

9:30 p.m. – Campfire

11:15 p.m. – Curfew (in assigned cabins)

Educational perks

Your educational experiences at camp will help prepare, reinforce and enrich what you've already learned in school and what you'll learn in the future. Throughout camp you will explore a number of ideas and participate in the process of science through the integration of science and engineering practices that address Michigan's new science education.

Contact information

For more information visit the camp website!

You can also contact:

Laura Potter-Niesen, Camp Co-Director
4-H Youth Development, MSU Extension
160 Morrill Hall of Agriculture
446 West Circle Drive
East Lansing, MI 48824
Phone: 517-432-2963, Fax: 517-353-4846
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COME TO CAMP THIS SUMMER!



Presque Isle, Michigan



canr.msu.edu/4_h_great_lakes_natural_resources_camp

This camp is an MSU precollege program made possible by:

- 4-H Youth Development, MSU Extension
- Michigan 4-H Foundation Donors
- Michigan Sea Grant Extension
- MSU Department of Fisheries and Wildlife
- Michigan Charter Boat Association
- Michigan Natural Features Inventory
- U.S. Fish and Wildlife Service

Ten great reasons to attend!

1. Have fun in the great outdoors doing camp activities such as fishing, boating, swimming, hiking and campfires!
2. Learn about and enjoy Great Lakes ecology and Michigan's diverse natural resources.
3. Explore natural resources management issues.
4. Find out about careers related to the Great Lakes and natural resources.
5. Learn from Michigan State University faculty members, MSU Extension program staff members and other natural resources experts.
6. Discover environmental education projects that you can do at home.
7. Make new friends from across the state and learn about where they are from.
8. Enjoy a chance to be independent from your family in a safe, friendly environment.
9. Learn new ideas, skills and techniques that you can use for the rest of your life.
10. Develop your leadership abilities.

I have become more interested in the sciences, developed more confidence and expanded my horizons quite a lot! Thank you!
-Ingham County Camper



I liked meeting new friends and learning how to do new things. -Kent County Camper

Extras for returning campers

If you're a returning camper, you'll be able to participate in the regular camp activities plus these extras:

- Take a night hike.
- Try out advanced scientific techniques.
- Take on extra leadership roles.
- Notice things you may have missed or didn't have time to participate in when you attended camp last time.
- Strengthen your skills and qualifications to become a camp counselor in future years.

Camp has really broadened my horizons on career choices and my love for the outdoors.
-Alpena County Camper

When and where is camp?



4-H Great Lakes and Natural Resources Camp is typically held the first week of August. Lodging, meals and programming will take place at Camp Chickagami, near the shore of Lake Huron between Alpena and Rogers City. The state-licensed camp has dormitory-style cabins, a dining hall, and toilet and shower facilities.



MSU precollege scholarship opportunity

Campers who will enter eighth, ninth or tenth grades following their involvement are eligible for nomination to apply for a \$2,000 MSU Precollege Achievement Scholarship. Campers will be invited to apply on the basis of criteria such as attitude, behavior and active participation. The funds will be applied toward the first year at MSU as a degree-seeking student. Contact a staff member for more information.

How much does camp cost?

Please check the website for updated cost. The fee includes meals and snacks, lodging, a T-shirt, and program and activity fees. A limited number of state scholarships are offered for teens with financial need. Contact your county MSU Extension office to see if local scholarships may also be available.

Who should attend?

You can apply to attend if you'll be ages 13 to 15 during camp. (**Note:** You may still apply if you'll be 12 during camp but entering eighth grade in the fall.) You don't need to be a 4-H member to attend. So that each camper can have the best experience possible, you must be able to fully participate in grade-level-appropriate small-group science learning sessions as well as very active large-group recreation. It's an action-packed week of fun and learning! (Campers who are unable to meet these expectations will be dismissed from camp at the parent/guardian's expense.)

How do I apply and get selected?

Visit our website to access the online application and selection criteria.

Camper applications are due by May 1, but space is limited to 70 campers, so early application is encouraged.

Beginning June 5, wait-listed applicants will be offered spaces forfeited by campers who failed to meet the deadline.

Camp has showed me many career options and that there is something for everyone. Also just to be the best person I can be!
-Allegan County Camper



This camp's a winner!

2012 - Named one of eight top 4-H science programs nationally

2009 - Received National 4-H and U.S. Fish and Wildlife Service Natural Resources Conservation Education Award

2008 - Named a National 4-H Program of Distinction

Cancellation and refund policy

- **Before June 1** - payment is fully refundable.
- **June 1 to June 30** - \$100 not refundable.
- **July 1 to camp** - \$200 not refundable.

Refunds for cancellations will be processed in the month after the cancellation is made.

The camp has given me some new choices for careers.
-Mecosta County Camper

