



4th Grade Classes YOU ARE INVITED: To Explore NOAA's Thunder Bay National Marine Sanctuary!

FREE trips May 2 - June 17, 2016

Your choice of dates/times offered daily Monday - Friday

Your National Marine Sanctuary is participating in the national "Every Kid in a Park" initiative to get 4th grade students out to experience our amazing national parks and waters - learn more at: www.everykidinapark.gov



What is offered:

1.5 hr cruise aboard the *Lady Michigan* glass-bottom boat (up to 75 students and chaperones per trip, so if you have two classes together - no problem!)

Also choose from 1 to 3 additional shore-side staff-led activities at the sanctuary visitor center - your choice:

- 1) marine technology/underwater exploration of shipwrecks with robots: students break into groups and build underwater robots to complete a mission (1.5 hrs per 30 students)
- 2) basics of water-quality monitoring: students take samples from the Thunder Bay River and test for presence and types of aquatic macroinvertebrates (1 hr per 30 students)
- 3) NOAA's Science on a Sphere ("SOS"): students participate in a SOS lesson on the effects of climate change on ocean chemistry (30 min. per 30 students)



All programs free of charge! Split grades welcome!

Example Schedule for two 4th grade classes from one school:

9:30 am cruise aboard *Lady Michigan*

11:00 am: class one marine technology program / class two water quality monitoring & SOS

12:30: break for lunch

1:00 pm: class two marine technology program / class one water quality monitoring & SOS

2:30pm: depart

NOTE: this schedule is very flexible - we will meet your needs in timing!

Contact: Sarah.A.Waters@noaa.gov or 989.356.8805 x29 to make your reservation - see reverse for list of most recent still available dates!





**Alpena Schools 4th Grade Classes YOU ARE INVITED:
To Explore NOAA's Thunder Bay National Marine Sanctuary!**

AVAILABLE DATES - individual classes may come on any date, but we do encourage schools with more than one 4th grade to send two classes together on the same day!

Currently open (as of 4/09/16):

MAY 2, 3, 4, 5, 6, 9, 12, 13, 16, 17, 18, 19, 23, 25, 27, 31

JUNE 3, 7, 9, 10, 13, 14, 15, 16, 17



This project was made possible by a grant from the National Park Foundation through the generous support of DISNEY and individual donors from across the county; and through a grant from the National Marine Sanctuary Foundation's *Ernest F. Hollings Ocean Awareness Trust Fund*; and through a National Environmental Education Foundation *Hands on the Land* mini-grant.

Contact: Sarah.A.Waters@noaa.gov or 989.356.8805 x29 to make your reservation