School Program Description | **Saginaw Bay Visitor Center**
Fishing for Fun | **Bay City State Recreation Area**
Level: 5th Grade

PROGRAM DESCRIPTION:
Students participate in a 5 station, 2.5 hour fishing clinic in the morning and then put into practice the fishing science in the afternoon. Stations are set up to familiarize students with the Pathways to Fishing Formula for Successful Fishing: F + L + P = S. If you know what your fish (Fish) and you know the habitat of your fish (+ Location) and you know how to select the right equipment and bait and how to get the bait out to the fish (+ Presentation) you will have success (= Success) in fishing!

Station 1: Deals with Fish biology, habitat requirements, where you go to get more information about your fish, fish anatomy and how to identify your fish. Station 2: Deals with the different types of rods and reels that are used to catch fish, fishing tackle, live bait vs. artificial lures, and how to tie fishing knots. Station 3: Weather and Casting deals with basic safety precautions every angler should take, casting tips, and hands-on casting practice. Station 4: How to put on a bobber, how to detect a bite, set the hook and land a fish, and how to get a fish off the hook. Demonstration of 5 fish holds and hands-on practice with each fish hold; Station 5: Fishing code of ethics, fishing rules and regulations, and program conclusion.

Students then break for lunch. Following lunch, we provide the students with fishing poles and bait to go fishing in the Tobico Lagoon.

PROGRAM GOALS:
1. Each student will participate in a 5-station fishing clinic, where they learn the fundamentals of fishing.
2. Each student will participate in a catch-and-release fishing experience following the clinic.

PROGRAM OBJECTIVES:
1. Students will be able to list and describe the four things which make up a fish's habitat: Food, Water, Shelter and Space.
2. Students will be able to identify 4 physical features of a fish's anatomy, helpful in fish identification.
3. Each student will be able to identify what family a fish belongs to using a DNR Sport Fish Identification Key.
4. Students will be able to list one reason why there are different types of fishing rods and reels.
5. Students will be able to tie one fishing knot.
6. Students will be able to properly demonstrate how to cast with a spin cast rod and reel.
7. Students will be able to list at least two safety precautions to take when embarking on a fishing trip.

8. Students will be able to attach a bobber to the fishing line.
9. Students will be able to demonstrate at least two ways to hold a fish while taking it off the hook.
10. Students will be able to list two ways they can be an ethical angler.

PRE-VISIT SUGGESTIONS:
1. Talk with the students about what they should wear for their fishing trip: hat and sunglasses (to protect the head and eyes from fish hooks as well as the sun), sunscreen, shoes that can get muddy, rain gear and wind gear.
2. Please emphasize safety around water and fish hooks. Fishing equipment and water can become dangerous when rules are not observed.

POST-VISIT SUGESTIONS:
1. Do one of the lessons in the MSU Extension Fishing for Fun workbook, provided for teachers in the post-visit teacher packet.
2. Have the students design their own fish, name it and describe its food, water, shelter and space requirements.
3. Visit a DNR Fish Hatchery.
4. Participate as a class in the BAY SAIL program. Information on BAY SAIL is available from the Bay Area Visitors and Convention Bureau.

COORDINATING WITH MICHIGAN SCIENCE Grade Level Content Expectations:
Science. Inquiry Process: , S.IP.05.11, S.IP.05.12, S.IP.05.13, S.IP.05.14, S.IP.05.15, S.IP.05.16,
Science. Inquiry Analysis & Communications: S.IA.05.11, S.IA.05.12, S.IA.05.13, S.IA.05.14, S.IA.05.15,
Science . Reflection& Social Implications S.RS.05.11, S.RS.05.12, S.RS.05.13, S.RS.05.15, S.RS.05.16, S.RS.05.17, S.RS.05.19
Life Science.Heredity: L.HE.05.11, L.HE.05.12,
Life Science. Evolution: L.EV.05.11, L.EV.05.21,

COORDINATING WITH M.E.A.P. SOCIAL STUDIES CONTENT STANDARD BENCHMARKS:
Geographic Perspectives
    II.1 --- k,e,2
    II.2 --- I.e.1, I.e.2, I.e.4
    II.4 --- I.e.5
    II.5 --- I.e.1
Civil Perspective
    III.4 --- I.e.1