

## **MARINE WILDLIFE PROGRAM INFORMATION**

To explore the marine wildlife of the Oregon coast is a tour through all habitats and niches in the ecosystem. We will investigate life as an invertebrate by seeking out crustaceans and mollusks in the tide pools. Then we're off to observe the rookeries of pelagic birds and marine mammals to survey how these animals have adapted to life in the ocean waters. Finally we'll dissect fish and search for plankton to round out the players in the ocean food web so that student can leave with understanding of the life that depends on our ocean waters.

Campers will stay in cabins at Camp Kiwanilong and eat in the historic lodge. Located next to Fort Steven's State park, the week will also include swimming, canoeing and singing around the campfire.

### **COURSE SYLLABUS**

This course includes a minimum of 28 hours of lecture/seminar discussions, and a minimum of 28 hours of field investigation/laboratory time. Students successfully completing the course will receive a certificate of credit that may be given to their school or service organization for possible credit.

#### **Objectives:**

- Learn science by doing science
- Understand the natural history of Oregon's Coastal Waters.
- Recognize that marine wildlife are interdependent.
- Recognize different species of animals and some features of their life history.
- Recognize that humans impact these populations.
- To increase the ability to observe the natural world.

#### **Activities: Hands on learning in the field**

- Explore marine organisms in tide pools.
- Dissect sharks and boned fish.
- Catch and observe plankton in microscopes.
- Observe pelagic birds in their rookeries.
- View and identify marine mammals.
- Redwoods National Park forests
- Investigate fauna and flora of the Redwood forest and coastal area
- Investigate the geology of the Pacific Coast

#### **Concepts: Principles to be introduced**

- Differences in habitats (e.g. rocky intertidal vs shallow waters vs. deep waters)
- Animal adaptations & characteristics (anatomy, behavior, history)
- Introduction to marine biology, and ornithology.

## **SAMPLE DAILY SCHEDULE\***

7:00 a.m.	General camp wake-up
8:00 a.m.	Breakfast
9:00 a.m.	Activity Block 1
11:30 a.m.	Lunch
12:30 p.m.	Rest & relaxation
1:30 p.m.	Activity Block 2
3:30 p.m.	Activity Block 3
5:00 p.m.	Recreation and free time
6:00 p.m.	Dinner
7:15 p.m.	Evening activities
8:30 p.m.	Return to cabins, prepare for bed

\* Programs that are partly or entirely field-based will follow a unique schedule each day, depending on the activities planned. Drive times between field sites and campgrounds will include stops for short hikes and games, meals, and bathroom breaks.

## **TECHNOLOGY AND COMMUNICATION**

Cell phones are not allowed on any OMSI Science Camp program. Cell phones are too easily lost or damaged. Students have an excellent support system at camp including their fellow students, the counselors, the instructional staff, and the lead staff. We will ensure that any necessary communication between parents/guardians and students can take place through the main phone at each site. Instructional staff carries cell phones during transportation and on off-site programs for emergency purposes only. An important part of the camp experience is for each student to gain independence, develop greater resilience, and enjoy the unique opportunities offered by OMSI Science Camps without technological distractions. We are grateful for the trust parents and guardians put in our staff to care for each student, and we appreciate the time taken in discussing this important issue with your student before his or her program begins.

Digital cameras are allowed, but remember that, at camp, things can easily be lost or damaged. We recommend single use cameras or film cameras. Please keep in mind cell phones with cameras will not be allowed.

For the safety of your child and OMSI Science Camps staff, we strongly discourage our staff from having contact with your child after camp since we cannot supervise it. Making new friends is one of many positive outcomes of OMSI Science Camps programs, and students who want to stay in touch with each other may exchange phone numbers, addresses, or e-mails. Please understand that any communication between your child and another student or a staff member after the camp session is over is the responsibility of the student's parent or guardian to oversee.

If your child would like to contact a staff member, then email a letter to: [pmsc@omsi.edu](mailto:pmsc@omsi.edu).

## MARINE WILDLIFE EQUIPMENT LIST

### Sleeping Gear:

- sleeping bag
- insulated sleeping pad
- pajamas
- pillow with pillowcase (optional)

### Field Equipment:

- 2 water bottles (1 quart/liter each)
- flashlight or headlamp
- daypack
- sack lunch for the first day**

### Clothing:

- sturdy, well-fitting and broken in shoes. (hiking boots preferred)
- 3 pairs long pants
- 1 or 2 pairs of shorts
- 3 shirts, 1 long-sleeved, 2 short-sleeved (for layering)
- sweater or sweatshirt (it will get cold at night)
- adequate underwear & socks
- rain gear (jacket w/hood & pants, or poncho)**

### Personal Gear:

- toiletries: soap and container, toothbrush/toothpaste, comb/brush
- wash cloth and a bathing towel
- sunscreen
- lip balm with sun screen
- personal hygiene items

### Optional:

- camera
- binoculars
- compass
- lightweight books (field guide, natural history, legends, etc.)

ALL CLOTHES AND EQUIPMENT SHOULD BE MARKED WITH THE PARTICIPANT'S FULL NAME. OMSI IS NOT RESPONSIBLE FOR LOST ITEMS.

PLEASE DO NOT BRING SNACKS OR CANDY  
(rodents enjoy searching cabins for food).

NO ELECTRICAL EQUIPMENT SHOULD BE BROUGHT (CELL PHONES, MP3 PLAYERS, RADIOS, BLOW DRYERS, COMPUTER GAMES, ETC.)