

BLM

Yaquina Head Outstanding Natural Area



August 15, 2016

Dear Teachers and Educators:

Yaquina Head Outstanding Natural is pleased to announce the schedule for our **2017 Spring Education Programs**. We offer numerous activities and classes designed to make your visit exciting and productive. Please read the following registration material carefully.

Why Reservations are Needed:

The Bureau of Land Management (BLM) has a reservation system for scheduling group visits to the park's intertidal area. The tidepools fall within a protected Marine Garden (the highest level of protection for marine ecosystems in the state of Oregon) and we are mandated to protect this fragile environment while providing quality programs. With over 5,000 students visiting the tide pools each year, limiting the number of visitors in the intertidal area and maintaining low student to ranger ratios helps preserve this important area.

Reservation Information:

Our education program calendar is based on the rise and fall of ocean tides that change daily. Whereas other sites have few time constraints outside of their operating hours, we cannot flex tidepool times; there are a limited number of time slots available each day, offered both before and after the low tide. If at all possible, plan to reserve your education program at Yaquina Head first before booking other field trip locations on the same day.

Groups may register by email or fax. **Please read the "Registration Procedures" section carefully for detailed information.**

Confirmation:

After your reservation is received, a ranger will review all details and make contact if questions arise. Once everything has been reviewed, an email confirmation with your date and program time will be sent out.

Teacher Packet:

Along with your confirmation, you will receive electronically:

- a description of your selected program
- applicable pre- and post-visit activities
- our Teacher Packet containing important details about your visit, what to expect, and ways to best prepare your students

Hard copies are available upon request.

Fees:

All BLM education programs are presented free of charge to educational groups, but reservations are mandatory. Please plan in advance for your visit.

Late Arrival and Cancellation Policy:

Please allow at least 15 minutes before your scheduled arrival time, allowing students plenty of time to disembark from the bus, go to the bathroom, etc. If you know you will be late, please call 541-574-3100 to tell us your anticipated arrival time. Late groups will not be allowed to carry over into the next group's program time and your program will be limited to the time block reserved. It could be shortened, modified, or possibly cancelled. Be prepared for all types of weather conditions; we'll only move the program indoors in extreme weather conditions.

Contact Information:

If you have questions about our programs or registration please contact:

Education Program Coordinator
541-574-3122 or blm_or_yh_education@blm.gov

Important Note:

The described reservations are for Spring Ranger-led Programs (April through mid-June) only. Visits to other areas of the park during different seasons do not have the same restrictions and registration may be made anytime throughout the year.

Consult the "For Teachers" section on our website for registration instructions and forms, or contact the Education Coordinator for details.

REGISTRATION PROCEDURE

Spring 2017: April 10th – June 9th

This registration procedure is for groups wishing to enroll in the Yaquina Head Outstanding Natural Area **Spring Education Programs** held during the period of **April 10th through June 9th, 2017 for Lighthouse and Cobble Beach programs only**. *(Note that visits to other areas of the park during different dates do not have the same restrictions and registration may be made anytime throughout the year. Contact the education coordinator for details.)*

Thirty-five students are allowed per slot. If you have more than 35 students, you will need to register for multiple slots. (Ex. 60 students = 35 students in TP Slot 1a, and 25 students in TP Slot 1b). We request one chaperone per five students (1:5 ratio). If you have more than 70 students, you will need three slots; this is something we will be actively enforcing this year.

Note that time slots are for two-hour blocks which allow groups ample time to experience and study the tidepools. The two hours should not include restrooms, lunch, or interpretive center visiting time. Classes wishing to visit for less than the full two hour booking will not be considered until after the New Year.

Registration Process

Apply by E-Mail: blm_or_yh_education@blm.gov or Fax: 541-574-3140

1. Review program descriptions and decide the best fit for your group.
2. Look at available slots on the calendar found on our website and pick 4 possible dates (remember larger groups require two or more slots).
3. Fill out entire registration form and email/fax it to the park.

If you are using the pdf reservation form from our website, you **must** download it first to your computer before sending it to us. If you start typing straight from the website the fillable forms will show up blank.

PROGRAM DESCRIPTIONS

Registration is required for all Ranger-Led or Teacher-Led school programs.

I - RANGER-LED PROGRAMS:

Tidepool School (Same Program, New Title)

Grades: K - 3rd Grade **Program Length:** 2 hours

Concepts: Habitat, Adaptations

Description: Students will learn how intertidal plants and animals survive using unique ecological adaptations. After a brief introduction and a close up look at some of our tidepool critters, students will explore and identify tide pool plants and animals while learning about and discussing species adaptations. (Students, teachers and chaperones must be able to climb 130 stairs and navigate over a cobblestone beach.)

Sea-Crets of Tide Pools

Grades: 4th and 5th Grade **Program Length:** 2 hours

Concepts: Habitat, Intertidal Zonation

Description: Discover creatures large and small as we explore the intertidal communities at Cobble Beach with hands-on activities. Students will identify intertidal species while exploring and defining the habitat in which they live through the lens of zonation. (Students, teachers and chaperones must be able to climb 130 stairs and navigate over a cobblestone beach.)

Wealthy Tide Pools

Grade Level: 6th - 8th Grade **Program Length:** 2 hours

Concepts: Intertidal Ecosystem Monitoring, Species Identification, Biodiversity

Description: Students will act as junior ecologists to monitor the relative species richness of the intertidal zones, while learning about the scientific method, ecology, and biology in an engaging physical environment. This program aims to engage the students' hands, minds, and hearts, as well as to encourage lifelong stewardship of this unique ecological resource. (Students, teachers and chaperones must be able to climb 130 stairs and navigate over a cobblestone beach.)

Wealthy Tide Pools - High School Variation

Grade Level: High School **Program Length:** 2 hours

Concepts: Intertidal Ecosystem Monitoring, Species Identification, Research Design, Management Strategies.

Description: A more in-depth study of the intertidal zones, students will monitor for both abundance and species richness, briefly analyze collected data, and apply knowledge gained to discuss appropriate management strategies. (Students, teachers and chaperones must be able to climb 130 stairs and navigate over a cobblestone beach.)

Oregon State History Lighthouse Program

Grade Level: 3rd and/or 4th Grade **Program Length:** 2 hours

Concepts: United States History, Oregon State History, Navigation, Historical Preservation

Description: Try on a light keeper's uniform and learn what it would be like to grow up at a remote lighthouse in 1884. Students will explore the Yaquina Head Light Station while learning how important lighthouses were to the settling of the west. This program includes an indoor tour of the lighthouse and students, teachers and chaperones must be able to climb 114 stairs, up and back. *LH calendar slots only*

II – TEACHER-LED TIDEPOOL PROGRAMS:

Spring tidepool programs (*April through mid-June*) are normally reserved for ranger-led programs. Teacher-led programs are offered at other times of year.

Whereas we welcome teacher-led programs, we expect that students are actively engaged in appropriate activities that will encourage learning and stewardship while protecting the resources at Yaquina Head. We have found that allowing the students to “explore the tidepools without an assignment” can be ineffective and compromises both the resources and the students’ learning experience. Please think of your visit as a “Field Experience” rather than a “Field Trip.”

Teachers wishing to lead their own programs are expected to submit acceptable lesson plans (or to use one of ours) and to work with the Education Coordinator and staff to ensure a safe and meaningful experience.

For all teacher-led programs, a park ranger will greet each group and provide a short, required orientation. The ranger will review rules and guidelines, provide suggestions on where and how to best proceed, and update your group about recent or interesting findings. Whenever possible, a ranger will assist your group and be available as a resource while exploring.

Yaquina Head Outdoor Nature Area is designated as a ***Marine Garden***; *a specially protected area in which it is illegal to collect any marine invertebrate (except single mussels for bait). Marine Gardens are areas that are targeted for educational programs that allow visitors to enjoy and learn about intertidal resources.* Please take extra care to review our ‘Rules and Guidelines’ with your students before you come and, more importantly, abide by them during your visit.

To ensure the safety of our visitors, and ensure an overall positive experience for students and visitors, a practical student/adult ratio is required. We recommend a student/adult ratio of at least one adult per five students.

In addition to our Ranger-Led Programs, Yaquina Head offers a number of other activities described in detail in our *Suggested Activities for School Groups* handout. If you plan on visiting other areas of the park in addition to a ranger-led or teacher-led program, please review activities and coordinate your plans with the Education Coordinator prior to your visit.

III –GROUP DISCOVERY TOURS (year-round):

Yaquina Head welcomes **self-guided groups** to tour Yaquina Head year-round. **Advanced reservations are required more than two weeks in advance.** Groups may choose to do a number of different projects or bring their own activities. Unlike the springtime registration procedures, classes may schedule general visits at any time. Consult the “For Teachers” section on our website, our *Suggested Activities for School Groups* handout, or contact the Education Coordinator to discuss details and register.

Yaquina Head: Spring 2017 Registration Form

1. Please fill in your top 4 choices with slot dates and times using the program calendar:

Max. 35 students per TP or LH Slot

First Choice: M T W Th F Date _____ Slot(s) _____ Times _____

Second Choice: M T W Th F Date _____ Slot(s) _____ Times _____

Third Choice: M T W Th F Date _____ Slot(s) _____ Times _____

Fourth Choice: M T W Th F Date _____ Slot(s) _____ Times _____

2. Please SELECT the program (s) you would like:

RANGER-LED PROGRAMS

- ☐ Tidepool School: K - 3rd Grade. *Same program, new name!*
- ☐ Sea-Crets of Tide Pools: 4th - 5th Grade
- ☐ Wealthy Tide Pools: 6th - 8th Grade
- ☐ Wealthy Tide Pools: High School
- ☐ Lighthouse Program: 3rd - 4th Grade

TEACHER-LED PROGRAMS (Any Grade Level)

- ☐ Tide Pool Exploration (Use your own activities and lesson plans)
- ☐ Interpretive Center Visit (May be in addition to other programs)

3. Students and Chaperones

Student Grade Level(s): _____

Number of Students: _____ Number of Teachers/Adult Chaperones: _____ (1 chaperone per 5 students)

4. Please fill in your contact information:

School Name: _____

School Address: _____

Name of Teacher or Trip Coordinator: _____

Teacher's E-Mail Address: _____

Your Phone Number at Work: () _____

Cell Number: () _____

Best time during the school day to reach you a week before your trip: _____

Type of Vehicle(s): _____ Number of Vehicles: _____

Are you in Newport the night before your Yaquina Head class? No / Yes at _____

Special considerations / Notes:

*** **FOR STAFF USE** *****

Received: date/time _____ by _____ Date/Slot Confirmed: _____

Pre/Post Emailed: _____ Pre-Trip Phone Call: _____

OTHER LOCAL AREA TIDEPOL SITE

<i>SITE</i>	<i>LOCATION</i>	<i>CONTACT INFORMATION</i>
Otter Rock	Located 9 miles north of Newport. Take Hwy 1 to the Devil's Punchbowl State Natural Area turn-off located between mileposts 132 and 133.	Beverly Beach State Park 265-4560 http://www.stateparks.com/beverly_beach.html
Seal Rock State Recreation Site	Located 10 miles south of Newport off Hwy. 101. Access is from Seal Rock State Recreation Site on the north and two turn-offs south of main park.	South Beach State Park 867-7451 http://www.oregonstateparks.org/park_207.php
Yachats State Recreation Site	Located north of Yachats River. Take Hwy. 101 and turn west on 2 nd Street or Ocean Drive. Use caution in heavy surf.	South Beach State Park 867-7451 http://www.oregonstateparks.org/park_133.php
Cape Perpetua	Take Hwy. 101 two miles south of Yachats. Visitor's Center is located between mileposts 168 and 169.	U.S. FOREST SERVICE (541) 547-3289 http://www.fs.fed.us/r6/siuslaw/recreation/rippanning/caeperpetua/index.shtml

For an interactive map featuring all tidepool destinations throughout the state:

http://oregontidepools.org/popular_tidepools/map

Tidepool FAQs - Oregon State Parks

http://www.oregon.gov/OPRD/NATRES/RS_FAQtidepools.shtml

WWW Tide and Current Predictor (world-wide)

<http://tbone.biol.sc.edu/tide/tideshow.cgi?site=Bar+at+entrance%2C+Yaquina+Bay+and+River%2C+Oregon&units=f>