



# PARKS, RECREATION & WATERFRONT

Rec. Division • Shorebird Park Nature Center • 160 University Avenue, Berkeley, CA 94710  
(510) 981-6720 • Fax (510) 981-6725 • TDD (510) 981-6903 • pdonald@cityofberkeley.info

Educators:

Oct 2016

The City of Berkeley Marina Experience Environmental Education Program offers the best hands-on science fieldtrips along the shoreline in the East Bay. Created in 1978, it continues to offer teachers programs tailored to their classes, covering the Next Generation Science Standards, common core prep materials and ratio of 5-1 teaching staff. Bring your class to experience our beautiful location, microscopes and aquariums. Animal and low tide programs are from 9:30 a.m. - 12:30 p.m. Dates below are subject to change. Each individual class is allotted one date and one program. We do require attendance at a pre-trip workshop and application is by this form only.

**1. ANIMAL PROGRAMS:** include an informative introduction and interactive digital presentation on the local species and adaptations, a short break, two hours of rotating hands-on learning labs.

**FISH** (2<sup>nd</sup> –12<sup>th</sup>) Workshop: Oct. 25. Class dates Nov. 9, 10, 16, 17, and 18.

Stations: fish anatomy, Gyo-taku (Japanese fish rubbing), aquarium discovery, scales and gills.

**BIRDS** (K-12<sup>th</sup>) Workshop: Nov 15. Class dates: Dec. 7, 8, 9, 14, 15, 16.

Stations: sounds, feathers, nesting, conservation, use of binoculars, live bird & walk.

**MARINE MAMMALS** (K-12<sup>th</sup>) Workshop: Dec 13. Class dates: Jan 11, 12, 13, 18, 19, 20.

Stations: sounds, conservation, feeding and blubber using hands-on artifacts.

**BAY SCIENTIST** (3<sup>rd</sup> –12<sup>th</sup>) Workshop: Jan 24. Class dates: Feb. 8, 9, 10, 15, 16, 17.

Stations: hydrology, living rocks, microscopic dock life, and fresh and salt water aquariums.

**2. (4<sup>th</sup> -12<sup>th</sup>) LOWTIDE RESEARCH** Teacher’s workshop Feb. 7. Class dates; March 2, 3, 16, 17. April 13, 14, 27, 28 (9:30 a.m.-2 p.m. each day)

This is an advanced level low tide program. We will focus on the Bay Estuary history and watershed; collect plankton, hydrological testing, compare physical and natural factors of the rocky shore and dock habitats, view invertebrate organisms under the microscopes in the Nature Center and discuss human interaction.

**3. (K-3<sup>th</sup>) LOW TIDE PROGRAMS** (9:30 a.m.-12:30p.m.) Workshop- April 25<sup>th</sup>. Class dates: May 11, 12, 17, 18, 19, 25, 26, and 31. Estuary education focusing on the rocky shore/sandy beach and low tide exploration. After a break, focus will be on the dock habitat: viewing the animals that live under a dock under the large microscopic, and hands on stations at the dock. (Belly biology, float, & boat walk).

**4. SAILBOAT TRIPS** (4<sup>th</sup> -12<sup>th</sup>) Experience sailing on the Bay in the 51ft. ketch “Pegasus”. Complements the Explorers unit for history, social studies and stimulates creative writing for English. 14 kids sail on the Pegasus while the other half of the class learns the mechanics and vocabulary of sailing by handling the sails and lines on a small sailboat on land. Additional stations: compass and binoculars. Class then rotates. This is a 4.5 hour field trip. 9:30a.m. - 2 p.m. (Workshop Sat. March 4<sup>th</sup>. Class dates in March 8, 9, 22, and 23. April 19, 20. May 4, 5.)

**SAILING TRIP** Teachers will be selected through an application process. Applicants must:

1. Turn in this form by **Oct. 7<sup>th</sup>** , to receive the sailing application.
2. Turn in the sailing application by **Nov. 21**. Teachers will be notified by Dec. 9<sup>th</sup> !



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**FORM DEADLINE:** **Friday, October 7<sup>th</sup>**, or until all classes are full, call to confirm availability for the class you are interested in. **KEEP THIS INFORMATION! TEACHERS!**

- ***Check*** when your holidays and testing will happen. ***Confirm*** you are free for ***the mandatory workshop and program dates BEFORE you sign up.***
- All requests for lottery reservations **MUST** be made on the official enclosed application form and **RECEIVED BY October 7th.** (Only one form/one class per teacher)
- Failure to get in on or before this date will invalidate your reservation request, without notification.
- **If you do not want an email** and prefer a hard copy of your program date and bill, please send a self-addressed, stamped envelope for us to send you the information.

**APPLICATIONS CAN BE SENT:**

Through E-MAIL to: [NATURECENTER@CITYOFBERKELEY.INFO](mailto:NATURECENTER@CITYOFBERKELEY.INFO) or FAXED to (510) 981-6725  
OR sent with the envelope through THE U.S. MAIL, addressed to:

**Shorebird Park Nature Center  
160 University Ave  
Berkeley, CA 94710**

**FEES:**

<i>Animal Programs</i>	<b><i>\$194.00</i></b>
<i>Low Tide Program</i>	<b><i>\$194.00</i></b>
<i>Low tide Research</i>	<b><i>\$194.00</i></b>
<i>Sailing Experience</i>	<b><i>\$245.00</i></b>

- **All payments must be made one month before your workshop.**
- If you cannot make the payment date, have to cancel, or if you cannot make the workshop date, **call immediately**, so we may find another teacher to take your slot.
- Call for information about the approval process for **special full scholarships** awarded this year your class.

**SELECTION PROCESS:**

1. Entries will be drawn through a lottery system in order to give more teachers a chance to experience these programs. **Priority will be given** to teachers who did not participate in the programs last year. However, if a program does not fill, teachers who participated last year will be selected. Teachers not selected will be put on a waiting list and called if there is an opening.
2. If selected, we'll send you a confirmation email (with your workshop date, class trip date and a bill) starting on **October 17**, filling each program starting with fish and continuing in turn. **Your return confirmation reply must be made within a week of the initial email notification. If you don't reply, we will take another teacher.**
3. When selected, **your payment or request for a partial scholarship is due to us one month before your workshop date.** These dates will be made clear in the confirmation email we will send.

**IMPORTANT! Please keep this letter to refer to later for the dates and workshop times.**



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## 2016-17 LOTTERY FORM FOR THE BERKELEY MARINA EDUCATION PROGRAM

Teacher \_\_\_\_\_ Home/cell phone (\_\_\_\_) \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_

E-mail address \_\_\_\_\_

# of students in class \_\_\_\_\_ # of adults attending \_\_\_\_\_ Room # \_\_\_\_\_ Grade \_\_\_\_\_

SCHOOL / ORGANIZATION NAME: \_\_\_\_\_

ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ ZIP \_\_\_\_\_

PHONE # (\_\_\_\_) \_\_\_\_\_ ext. or room \_\_\_\_\_ FAX #(\_\_\_\_) \_\_\_\_\_

Yes, \_\_\_ I did (circle one) birds, marine mammals, fish, bay scientist, low tide, research low tide, or sailing during 15/16 school year. No, I have not participated \_\_\_, or not since \_\_\_\_\_.

**LIST YOUR TOP TWO CHOICES (1<sup>st</sup>, 2<sup>nd</sup>) for either an ANIMAL, LOW TIDE, LOWTIDE RESEARCH OR SAILING PROGRAM-** Only one class per date. Pick from the available dates listed on page one. Some dates may change. Do not choose a program if you cannot make the dates for both the workshop and the trip.

- |                          |                 |  |
|--------------------------|-----------------|--|
| <b>1. ANIMAL PROGRAM</b> | 3 hours         |  |
| FISH                     | <i>November</i> | (2 <sup>nd</sup> -12 <sup>th</sup> grades) |
| BIRDS                    | <i>December</i> | (K-12 <sup>th</sup> grades)                |
| MARINE MAMMALS           | <i>January</i>  | (K-12 <sup>th</sup> grades)                |
| BAY SCIENTIST            | <i>February</i> | (3 <sup>rd</sup> -12 <sup>th</sup> grades) |

- |                          |         |                   |                             |
|--------------------------|---------|-------------------|-----------------------------|
| <b>2. LOW TIDE</b>       | 3 hours | <i>March-June</i> | (K-3 <sup>rd</sup> grades)  |
| <b>LOW TIDE RESEARCH</b> | 4 hours |                   | (4-12 <sup>th</sup> grades) |

- |                        |                   |  |
|------------------------|-------------------|--|
| <b>3. SAILING TRIP</b> | <i>March -May</i> | (4 <sup>th</sup> -12 <sup>th</sup> grades) |
|------------------------|-------------------|--|

Send in this completed form before October 7<sup>th</sup>, and an application will be emailed to you. This will be due back to us by November 18.

List the programs preferred and dates from the previous page.

1<sup>st</sup> choice program \_\_\_\_\_ dates: 1<sup>st</sup> \_\_\_\_\_ 2<sup>nd</sup> \_\_\_\_\_ 3<sup>rd</sup> \_\_\_\_\_  
2<sup>nd</sup> choice program \_\_\_\_\_ dates: 1<sup>st</sup> \_\_\_\_\_ 2<sup>nd</sup> \_\_\_\_\_ 3<sup>rd</sup> \_\_\_\_\_

Write here any specific information or emphasis would you like on your topic so we can best prepare your workshop materials and your class presentation.

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IF YOU DO NOT WANT A CONFIRMATION EMAIL, PLEASE INCLUDE A SELF ADDRESSED, STAMPED ENVELOPE FOR YOUR CONFIRMATION. THANKS



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