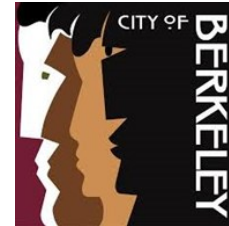




Berkeley Marina



Shorebird Park Nature Center

Science and Nature Field Trips

Nature Center Classroom Programs: 9:30am - 12:30pm

Deadline to apply: November 2, 2018

Our 3-hour class programs consist of engaging presentations from highly trained instructors and hands-on stations utilizing artifacts or live animals. Our specialized classroom features two, 200-gallon aquariums with local fresh and saltwater fish and invertebrates.

FISH (2nd-12th grades) We will discover the essential elements of fish, rays and sharks. Hands-on experiences include: fish printing, Northern anchovy dissection, aquarium observations and viewing scales and gills under a microscope.

BIRDS (K-12th) Students will gain a greater understanding of local birds and their anatomy. This program offers multimedia presentations and hands-on activity stations: feathers, conservation, sounds, eggs and nests. We'll take a practice walk with binoculars to identify local marine and land birds.

MARINE MAMMALS (K-12th) Students will learn about local marine mammals (seals/sea lions, whales, dolphins, porpoises and otters) and the physical features which help them survive. Hands-on stations include: sounds, feeding, conservation and insulation.

BAY SCIENTIST (3rd-12th) Utilizing our hi-tech projecting microscopes, students examine an array of marine life from the rocky shore and docks of the marina, including plankton samples. Students learn about the water composition of the Bay estuary



Nature Center Field Programs:

SAILING (4th-12th) 9:30am — 2:00pm We partner with the Pegasus, a 51-ft. sailboat, to provide this unique experience. We take a class of 24 students or less, half go sailing while the other half learn Bay geography, sailing terminology, compass work and binocular studies.

LOW TIDE DISCOVERY (K-3rd) 9:30am — 12:30pm Estuary education while visiting the rocky shore and the docks of the marina. Students will encounter bay organisms through hands-on discovery and learn about their unique adaptations.

LOW TIDE RESEARCH (4th-12th) 9:30am—2:00pm This is an advanced level low tide program which focuses on the Bay estuary watershed and history. Students will collect plankton, conduct hydrological testing, discover and compare the habitats of the rocky shore and docks of the marina, view invertebrates under the microscopes and discuss human impacts on the environment.

"Thanks for including us in your fabulous program this year. It is one of my very favorite field trips for all these reasons: challenging, informative, interactive, highest quality of instruction, kids are busy learning every minute of the trip, station activities include science, art, environmental studies, and include "hands-on" learning using all modalities."

- Sue, a local teacher

All programs and trips are \$200, except for sailing which is \$255. Teachers are required to attend a one-hour training to best prepare for their students' trip.

Available trip dates listed on the application on reverse side.



2018-19 BERKELEY MARINA EDUCATION PROGRAM APPLICATION

Registration deadline: November 2, 2018

Teacher _____ Home phone _____ Cell: _____

Address _____ City _____ Zip _____

E-mail address _____

of students in class _____ # of adults attending _____ Grade _____

SCHOOL / ORGANIZATION NAME: _____

ADDRESS _____ CITY _____ ZIP _____

PHONE # (____) _____

Yes, ___ I have done (circle one) Birds, Marine Mammals, Fish, Bay Scientist, Low Tide Discovery, Low Tide Research, or Sailing during the 2017-2018 school year. No, ___ I have not participated or not since _____.

NATURE CENTER CLASSROOM PROGRAMS

| | | |
|--|---------------------------|---|
| FISH (2 nd -12 th) | Teacher workshop: Oct. 16 | Class dates: Nov. 7, 8, 9, 14, 15, 16 |
| BIRDS (K-12 th) | Teacher workshop: Nov. 13 | Class dates: Dec. 5, 6, 7, 12, 13, 14 |
| MARINE MAMMALS (K-12 th) | Teacher workshop: Dec. 11 | Class dates: Jan. 9, 10, 11, 15, 16, 17, 18 |
| BAY SCIENTIST (3 rd -12 th) | Teacher workshop: Jan. 22 | Class dates: Feb. 5, 6, 7, 8, 13, 14, 15 |

NATURE CENTER OUTDOOR PROGRAMS

| | |
|--|--|
| LOW TIDE DISCOVERY (3 hours, K - 12 th) | |
| Teacher workshop: Feb. 20 | Class dates: March 13, 14 April 24, 25, 26 May 8, 9, 10, 23, 24 |
| LOW TIDE RESEARCH (4 hours, 4 th - 12 th) | |
| Teacher workshop: March 5 | Class dates: March 26, 27 April 10, 11, 12 May 22 |
| SAILING TRIP* (4.5 hours, 4 th - 12 th) | |
| Teacher workshop: Sat. March 2 | Class dates: March 6, 7, 20, 21 April 17, 18 |

LIST YOUR TOP TWO PROGRAM CHOICES and choose program dates from the list above. Only one class per date. Do not choose a program if you cannot make the dates for both the workshop and the trip.

1st choice program _____ dates: 1st _____ 2nd _____ 3rd _____

2nd choice program _____ dates: 1st _____ 2nd _____ 3rd _____

**Sailing Program: send in this completed form before November 2 and a Sailing Trip Application will be emailed to you. Submit by November 16th.*

Please tell us how you learned about this opportunity, thank you! _____



TEACHERS: Please keep this information!

DEADLINE: Friday, November 2, or until all classes are full, call to confirm availability for the class you are interested in.

- Please check when your holidays and testing will happen. Confirm that you are free for the mandatory workshop and program dates BEFORE you sign up.
- All requests for reservations **MUST** be made on the official attached application form and **RECEIVED BY November 2, 2018. (Only one form/one class per teacher)**

APPLICATIONS CAN BE SENT BY THE FOLLOWING OPTIONS:

- Through E-MAIL to: NATURECENTER@CITYOFBERKELEY.INFO (you may do this with your computer or by taking a photo with your smartphone and sending the photo of the application to the above email address).
- Fax to (510) 981-6725
- OR sent through THE U.S. MAIL, addressed to:

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

SELECTION PROCESS:

1. Applications will be selected 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 an invoice).
Your return confirmation reply must be made within a week of the initial email notification. If you don't reply, we will select 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.
 - All payments must be made one month before the teacher workshop that relates to each program.
 - If you cannot make the payment date, have to cancel, or if you cannot make the workshop date, please contact us immediately, so we may find another teacher to take your slot.
 - We may have full scholarships available for Title 1 schools. Contact us for information about the application process.