

Outdoor Education Marine Science Floating Laboratory

Frequently Asked Questions

What time should we arrive?

Please plan on being at the land end of the dock fifteen minutes before departure time.

Is there parking?

Parking is available in the lot of H & M Landing. The cost is \$10.00 per day per vehicle.

How should we dress?

Please be aware that though it may be hot on the dock, once out on the water it can be quite chilly. We recommend layered clothing, long pants and closed-toed shoes. Sunscreen should be considered mandatory and a hat is a good idea.

What about cameras?

Feel free to bring cameras. Just remember, you are responsible for your personal possessions.

Are snacks served?

There is a snack break. You are welcome to bring your own snacks or you may purchase them from the galley.



OUTDOOR EDUCATION PROGRAM

6401 Linda Vista Rd., San Diego, CA 92111

(858) 290-5986 | <https://www.sdcoe.net/educators/outdoor-education-outreach>



Outdoor Education

Marine Science Floating Laboratory



A unique learning experience!

Ocean Odyssey and Malihini

Each vessel is outfitted with oceanographic equipment specifically for student use. There is a maximum of 40 people allowed per boat. Students participate in teams as they manipulate oceanographic equipment, make observations, and gather data and specimens from the ocean waters and sea bottom of San Diego Bay.

This study cruise program will:

- Enable students to learn about oceanography with actual observations and experiences on the bay.
- Provide an opportunity to study marine organisms in their offshore habitat
- Increase the students' content knowledge of the marine environment

Marine Science Floating Laboratory

H&M Landing 2803 Emerson Street, San Diego Harbor

Half Day Cruise Schedule

Trip 1

8:30 a.m. or 1:00 p.m. Students will be met by on board instructors at the land end of the dock.

Introduction

Description of day's activities

Special duty assignments to students

Boarding of boat and storage of student materials

Group assembly in the bow of the boat

Rules and regulations

Plankton net instructions

Sochi disc instruction

Fore-ule color bar and sounding lead

9:00 a.m. or 1:30 p.m.

Boat leaves dockside - 5 mph speed limit

Discussion of various vessel types in the anchorage

Full speed movement to otter trawl locality - 15 knots

Selection of five students for otter trawl crew and assignment of duties

9:10 a.m. or 1:40 p.m. - **Movement of entire class to stern to observe setting of the otter trawl**

Instructions for retrieval of the otter trawl

Discussion of organisms from aquarium while trawl is "fished"

Lining up of students for pulling in the net

Retrieval of otter trawl

Discussion of organisms caught in trawl

Full speed movement to biological dredge location (student snack time)

10:00 a.m. or 2:30 p.m. - **Setting dredge**

Instruction of mud grabber while dredge is down

Lining up of students for dredge retrieval

Pull dredge

Discussion of organisms found in dredge

Movement to bait receivers

10:30 a.m. to 12:00 p.m. or 3:00 p.m. to 4:30 p.m. - **Tie up to the bait receivers and snack break**

Begin student rotation through work stations

Plankton net

Plankton lab

Secchi Disc

Observation of bird life

Grab sampler

Clean up and recapitulation of data collected Observation of sea lions "hauled out" on channel buoy

12:30 p.m. or 5:00 p.m. **Return to dock** (Times may vary depending on weather conditions)

Twilight cruises run from 5:30 p.m. to 9:30 p.m.

