

GRANT HISTORY AND OVERVIEW:

For nearly 40 years, the Friends of Pleasant Bay has encouraged innovative and educational projects centered on the Bay through an annual competitive grant program. The Friends of Pleasant Bay (FOPB) encourage innovative educational projects, centered on the Bay through an annual competitive grant program, open to all schools in the towns of Chatham, Orleans, Harwich, Brewster, Nauset Regional District and Cape Cod Regional Technical School. Approval of submitted grants will be based on project alignment with and promotion of the FOPB Mission.

GRANT PERIOD:

Grants will be for implementation beginning on or after July 2, 2024. This includes the 2024-2025 school year.

FOPB MISSION:

To preserve and advocate for the extraordinary environmental, cultural and recreational significance of Pleasant Bay and its watershed through public education, research and land protection.

GRANT CONDITIONS:

- Grants may be used for Bay related student fieldwork, teacher training, supportive equipment, hardware, software and/or any activity which addresses the stated FOPB mission.
- Funding will not be given for field trips that do not utilize Pleasant Bay, student lunches and/or activities that do not address the stated FOPB mission.
- The grant is required to indicate administrative approval and alignment with school policy and educational goals. We expect teachers to have received the principal's approval prior to submission of application.
- Grant recipients will submit a written report of their grant progress by Jan. 15, 2025, to the FOPB Education email address (grants@friendsofpleasantbay.org).
- At the teacher's convenience, a member of FOPB may arrange to visit the class or an activity associated with the FOPB Grant project.
- Recipients are strongly encouraged to attend the FOPB Annual Meeting in July to display results of their work for the Membership to view and celebrate.
- If the grant is awarded, a Principal's signature will be required on the FOPB Conditions of Acceptance Letter. In addition, a signature will be required from the Principal on a year-end report provided by FOPB stating that the grant funds were allocated as earmarked.
- If the grant is awarded and not used during the 2024-2025 grant cycle, funds will be returned to FOPB for use in a future grant cycle.

APPLICATION DEADLINE:

- All applications must be received by May 1, 2024.
- Please pay attention to the instructions on how to fill out the grant application.
- Forward completed grant applications to grants@friendsofpleasantbay.org
 - o Please save your application in this format: School_Last Name_Year of Application (ex. Monomoy_Smith_2024) as a PDF
- The selection of recipients will be made by the FOPB Education Grants Committee along with final approval of the FOPB Board of Directors.
- Grant recipients will be announced Late May/Early June 2024.
- If the grant is awarded, the FOPB Conditions of Acceptance Letter must be mailed via hard copy to FOPB mailing address by June 17, 2024.

Mailing address: Friends of Pleasant Bay, PO Box 1243, Harwich, MA 02645

Pleasant Bay Community Boating “menu” for Educators - Marine Science Classes. Feel free to use this menu of services in completing your grant application. This is just a guide for available services, and you do not need to include these in your project proposal.

BOAT Only Single Lessons: \$25 per student

Minimum 12 students (minimum - \$300)

Maximum 25 Individuals (including Teachers)

Time: 1 Hour 15 Minutes, bus door to bus door

**Please note: we will make every effort to still run your full length trip if your bus is late.*

However, our staff and property will not always be able/available to extend your trip beyond the agreed-upon end time.

1) Pleasant Bay Ecology Tour: Learn about the Pleasant Bay ecosystem -See/touch local invertebrates

-Pull up a crab/trap

-Binoculars

-Coastal Erosion and Mitigation

Students will embark on a tour of Pleasant Bay to learn about what inhabits the area. Aquaria will be on board with local invertebrates that will be talked about in depth and passed around for a hands-on experience. A crab trap will be pulled up to learn about crab diversity in Pleasant Bay. Binoculars will be provided for potential marine mammal and avian viewing. Binoculars will also be used to view and talk about erosion and erosion mitigation techniques.

2) Water Quality Lesson: Learn about water quality/data collection and its significance for Pleasant Bay.

-Salinity, Turbidity, Dissolved O₂, Temperature, pH, Buoyancy

-Local Threats: eutrophication, loss of eelgrass, marshes, key spp.

-Discussion of PBCB Projects for combatting WQ decline

Students will learn about and participate in measuring water quality data in Pleasant Bay. The importance of water quality and regular testing will be discussed and short demos will allow

students to use each data collecting instrument. The group will then rotate stations so that each student uses each instrument. Graphs showing years of data from Pleasant Bay will be shared, trends discussed, followed by a presentation of our current/past stewardship projects. (Kelp, Eelgrass, oysters and quahogs)

BOAT and Land Stations Lessons: \$40 per student

Minimum 12 students (minimum - \$480)

Maximum 50 Individuals (Including Teachers)

Time: 2 Hours 30 Min, bus door to bus door

Combine one of the tours described above plus an onshore component with two stations for smaller learning groups.

**Please note: we will make every effort to still run your full length trip if your bus is late.*

However, our staff and property will not always be able/available to extend your trip beyond the agreed-upon end time.

Pleasant Bay Ecology Tour on BOAT with:

1. Plankton and Shoreline Ecology Lessons

Includes Pleasant Bay Ecology Tour as well as a split land station; a plankton lesson combined with using microscopes for viewing and identifying daily caught Pleasant Bay plankton. A PBCB shoreline naturalist will lead a walk that can include hand netting and seine netting (weather dependent).

2. Aquaculture and Shoreline Ecology Lessons

Includes Pleasant Bay Ecology Tour as well as a split land station; An aquaculture lesson and upweller viewing/demo (oysters, quahogs and kelp). A PBCB shoreline naturalist will lead a walk that can include hand netting and seine netting (weather dependent).

3. Macro-Algae and Shoreline Ecology Lessons

Includes Pleasant Bay Ecology Tour as well as a split land station; An algae lesson with common algae found in Pleasant Bay. A PBCB shoreline naturalist will lead a walk that can include hand netting and seine netting (weather dependent).

Water Quality Lesson ON BOAT with:

4. Plankton and Shoreline Ecology Lessons

Includes Pleasant Bay Ecology Tour as well as a split land station; a plankton lesson combined with using microscopes for viewing and identifying daily caught Pleasant Bay plankton. A PBCB shoreline naturalist will lead a walk that can include hand netting and seine netting (weather dependent).

5. Aquaculture and Shoreline Ecology Lessons

Includes Pleasant Bay Ecology Tour as well as a split land station: An aquaculture lesson and upweller viewing/demo (oysters, quahogs and kelp) and a PBCB shoreline naturalist will lead a walk that can include hand netting and seine netting (weather dependent).

6. Macro-Algae and Shoreline Ecology Lessons

Includes Pleasant Bay Ecology Tour as well as a split land station: An algae lesson with common algae found in Pleasant Bay and a PBCB shoreline naturalist will lead a walk that can include hand netting and seine netting (weather dependent).