



**Principal Marine Science Instructor
Weekly Teaching Position 2026**

Weekly Position: June 15 to August 14, nine (9) One Week Marine Science Topic Sessions (at the bottom of this page we refer to where to find detailed descriptions).

Work Schedule: Monday – Friday starting at 7:45 am with July 4 Holiday **work required**

Compensation/Week: \$1,375.00 (includes an additional documented 10 hours Topic prep-time for each topic with curriculum and list of materials submitted to the Executive Director two (2) weeks prior to teaching). Applicable to professional contact hours as allowed.

*The **mission** of the Boothbay Sea and Science Center is the advancement of sailing, boating and ocean sciences by minimizing economic and physical obstacles and further to develop independence, self-confidence, teamwork and volunteerism in the participants. To inspire individuals to strengthen themselves and their community through the enjoyment of the sea. BSSC's **vision** is to provide a community sea and science education center that offers equal and affordable access to the waterfront for youth through sailing, boating, and marine science experiential learning programs and activities not provided by other regional organizations.*

BSSC is seeking a teacher or professional with teaching experience to teach weekly marine science topics to youth ages 5 to 17 in a hybrid setting that includes classroom and outdoor field-based activities. This position will be responsible for implementing BSSC's marine science curriculum of educational topics with assistance from BSSC sailing and science instructors and volunteers. The Principal Marine Science Instructor will be responsible for implementation of and improving on existing marine science curriculum on a day to day basis during each week. The job requires on a daily basis incorporating age sensitive hands-on experiential learning related to the BSSC topic of the week. This position is responsible for co-leading the weekly staff meeting with the Principal Waterfront Instructor to assign tasks and schedule activities; enforcing BSSC policies and safety procedures; managing day to day operations related to the marine science curricula and activities in the classroom or out in the field. This position will be responsible for submitting a finalized curriculum **two weeks** prior to start date that must be approved by the Executive Director prior to the first day on the job and a written summary of highlights at the end of each teaching week to contribute to articles for the local papers and social media.

*See topics and corresponding weeks on pages 3, 4, and 5 and on the Principal Marine Science Instructor Application.

Expectations and Responsibilities:

- 10 additional hours of **documented prep time** for each weekly topic and final curriculum submitted to the Executive Director for approval a minimum of 2 weeks prior to start date;
- 40 hours of **teaching time** of marine science curriculum topic(s), that includes daily classroom and field activities on and off the water.
- Collaborates with Principal Waterfront Instructor, Sailing Instructors, Science instructors, and Apprentices to carry out the marine science curriculum program goals.
- Supervise and assign daily tasks to BSSC staff; Science Instructors, Apprentices, and Volunteers.
- Attend the daily end of day meeting with the President/Executive Director, Principal Waterfront Instructor, Sailing Instructors, Junior Sailing Instructors/Sailing Assistants, Science Instructors, and Apprentices to coordinate and schedule next day activities.
- Oversee maintenance of all science equipment including daily cleaning, document necessary repairs and weekly inspections of those items used during the week.
- Attends BSSC two-week staff orientation.
- Attends all BSSC staff meetings and assist with regularly scheduled BSSC events during employment, including but not limited to Friday cookouts, evening socials, fundraising events, and any other activities that enhances family participation.
- Completes and submits to the Executive Director Participant Evaluations, updated curriculums, and provides a summary of highlights on the last day of employment.

Minimum Qualifications:

- Bachelor's degree in Marine Science, Biology, Oceanography or a related Science
- Two years teaching experience (K-12, minimum) or equivalent experience
- Current First Aid, CPR and AED Certifications (required prior to the start of employment) *
- SafeSport Certification (www.ussailing.org)

Preferred Qualifications:

- Teaching Certification or equivalent
- Master's degree or other in marine science, Biology, Oceanography or a related Science
- National Association of State Boating Law Administrators Boat Safety (www.boatus.org/maine/)

*BSSC will reimburse partial (50%) Certification Fees (if applicable and only upon successful completion of the course)

Physical Requirements:

Tasks involve physical effort - walking (up to 2 miles), lifting (approximately 10 – 20 pounds), swimming, agility and balance (transferring from boat to boat, dock to boat and back to) or other physical activities. Manual dexterity in the use of fingers, limbs or body in the operation of boats, gardening and teaching equipment; may involve extended periods of standing (i.e. touch tank, tidepools).

Environmental Requirements:

Tasks are regularly performed with exposure to environmental conditions (i.e. dirt, wind, cold, rain, seawater, insects).

Other:

All BSSC staff are required to undergo a mandatory background check and agree to the terms and conditions of BSSC's Code of Conduct (COC) - and is always mindful that all staff and participants are adhering to the

same standards of behavior set forth in the COC document. BSSC staff are required to attend staff orientation that includes Sexual Harassment Prevention and Implicit Bias training programs. The BSSC has a zero-tolerance policy for drugs and alcohol during work hours. Any such use during the workday or during a trip with participants will result in immediate termination of the employment contract and suspension of further payments/salary from the Boothbay Sea and Science Center.

Application for Employment: www.boothbayseaandsciencecenter.org

Contact: Please send a cover letter, resume, and the BSSC Application for Employment that includes 3 references to: Pauline Dion; info@boothbayseaandsciencecenter.org

**Boothbay Sea and Science Center
Summer 2026
Weekly Topics**

Each topic includes weather forecasting, basic sailing and boating skills, local marine life, and responsible marine stewardship.

Week 1: June 15 – June 19

Ship to Shore: Discovering BSSC

Students will experience a sampling of BSSC's summer 2026 on and off the water program. Students will explore tide pools, learn about what lies between the surface and the seafloor, sail, row, kayak, fish, and get wet all while having tons of fun!

Week 2: June 22 – June 26

The Neighborhood

Students will gain a better understanding of ocean animal adaptations ... how a species' **physical traits** and **behaviors** help it survive in its marine environment for tasks like breathing, moving, and finding food or avoiding predators. We will also explore what sea life is found in intertidal zones, coastal areas, and the "dark zone" with a focus on how "life" adapts to extreme conditions. Includes a field trip and/or guest speaker.

Week 3: June 30 – July 3

Outside the Window

Students will gain a basic understanding of weather and climate through hands-on activities and basic observation with a gradual progression to more complex concepts like meteorology and data analysis for the older students. We will create weather journals and stations, conduct experiments, and use media like books, videos, and games, that build vocabulary and connect weather and climate to daily life and larger scientific principles. Includes a field trip and/or guest speaker.

Week 4: July 6 – July 10**Polar Opposites**

Students will learn about the areas on Earth located around the North and South Poles that are defined by ice, snow, and extreme cold. We will have a better understanding of the differences and similarities of the **Arctic** (North Pole) and **Antarctica** (South Pole) that include the unique phenomena they experience and the specialized animals that make their home there. Includes a field trip and/or guest speaker.

Week 5: July 13 – July 17**Our Ocean, Our Mess**

Students will gain a better understanding of where marine debris comes from and how it ends up in our oceans, lakes, and rivers. We will describe how "sea trash" hurts animals, harms the environment, and how it can even end up in our food. Additionally, students will learn how we apply marine technology to the marine environment, that includes the design, construction, and operation of vessels, offshore structures, and the equipment used for exploration, resource gathering and scientific data collection. Includes a field trip and/guest speaker.

Week 6: July 20 – July 24**Food For Thought**

Students will learn about aquaculture and how it can help meet growing seafood demands, restore habitats, and replenish wild populations. We will learn about the practices involved in growing, harvesting these organisms, and the positive and reciprocal relationship with the marine ecosystems. Includes a field trip and/or guest speaker.

Week 7: July 27 – July 31**Reeled-in**

Students will study the industry of catching, processing, and selling fish and other aquatic animals, the locations where this happens, and the activities involved. They will gain a better understanding of the role fisheries play as a major source of food and jobs globally, while embracing sustainable management to ensure the long-term health of fish populations and ecosystems. Includes a field trip and/or guest speaker.

Week 8: August 3 – August 7**Sea Time**

Students will gain a better understanding of the study and preservation of human history and culture related to the sea and other waterways. We will talk about physical objects like shipwrecks and archaeological sites as well as oral histories, traditions, and knowledge passed down through generations. Students will gain a greater insight into how water has shaped societies, trade, and identities that connects us to our past through evidence. Includes a field trip and/or guest speaker.

Week 9: August 10 – August 14

A Sight to Sea

Students will observe wild birds in their natural habitat. Using binoculars and field guides we will record our observations and explore ways we can contribute to scientific research by reporting our sightings. Includes a field trip and/or guest speaker.

BSSC is an Affirmative Action/Equal Opportunity Employer

BSSC - P.O. Box 332 - East Boothbay, Maine 04544 - 207.350.5357 - www.boothbayseaandsciencecenter.org