



Title: Boat Shop Programs Instructor

Hours: Part-time, weekdays and weekends required.

Compensation: Hourly

Description: The Boat Shop Programs Instructor position is responsible for assisting in the teaching of the SAILOR (Science and Art, Innovative Learning On the River) Program along with the full-time Boatbuilder Educator in Independence Seaport Museum's traditional wooden boat shop, the Workshop on the Water. In addition, this person will help with prepping materials for classes and pushing the boats forward in between classes. The SAILOR Program's main goal is to use traditional wooden boatbuilding as a vehicle for teaching 7th through 12th grade Philadelphia students about key concepts in math, engineering, science, leadership, teamwork, design and tool safety. When needed, the Boat Shop Programs Instructor will also assist the Boatbuilder Educator in other non-SAILOR Boat shop Education programs.

Qualifications:

- At least 2 years of experience teaching hands-on project-based programming to wide-ranging audiences' required, previous experience working with underserved youth a plus.
- Bachelor's Degree in Education, Science, related field or equivalent experience required.
- PA/NJ or reciprocal state teaching certification preferred.
- Previous experience using hand tools, power tools, and large equipment in a shop setting required, previous traditional wooden boatbuilding experience a plus.
- Prior experience working with students ranging from Middle School to High School aged, comfortable with students ranging from elementary to adult.
- Experience running youth leadership activities.
- Previous experience handling small watercraft including power boats and rowboats, comfortable in and around the water.
- Well versed in botany, physics, engineering, ecology, mathematics
- Basic computer skills including the use of an iPad
- Good interpersonal communication
- Ability to represent the Museum to potential visitors
- Flexibility and ability to take initiative
- Patience and attention to detail
- Upon hiring, a PA Child Abuse History Clearance and State Criminal Record Check are required.

Duties:

- Educate students ranging from 7th to 12th grade participating in the SAILOR (Science and Art, Innovative Learning On the River) Program at the Museum's traditional wooden boat shop, the Workshop on the Water, in making a wooden boat from start to finish by co-teaching with our Boatbuilder Educator. Prior to the boatbuild, this includes intro lessons with topics ranging from boat nomenclature to the physics of what makes boats float, as well as tool safety and engineering through lofting.
- Outside of SAILOR, assist with prepping materials for the program by precutting wood, gathering supplies, or pushing the boat forward so it is ready for the next step in the build schedule before the next class.
- Prep non-boat shop related, educational materials for classes.
- Occasionally assist in additional boat shop programs that include teaching the general public, school groups, summer camps, and in-house programs from Elementary to Adult with hands-on project-based programming.

- Aid in the development of classes each week with the Boatbuilder Educator, ensuring that the boats are on task with the build schedule, fair to all schools by spreading out work and up to date for the designated Boat Launch day.
- Ensure all equipment belonging to SAILOR is properly stored and maintained before and after each class and inform students and anyone else using equipment as to the safe way to do so.
- Work with Boatbuilder Educator, Manager of STEM Education and On-Water Programs and schools on assessments of SAILOR and SAILOR students.
- Assist Manager of STEM Education and On-Water Programs with the upkeep of Floating Wetlands Project.
- Assist with River Stewards Expedition, a 2-week teen adventure on-water camp for underserved youth.
- Perform other duties as assigned.

To apply:

Send a brief cover letter and your resume in an e-mail to Jennifer Tatora, Manager of STEM Education & On-Water Programs, at jtatora@phillyseaport.org. No phone calls.

Independence Seaport Museum deepens the appreciation, understanding and experience of the Philadelphia region's waterways through history, science, art and community. For more information, please visit phillyseaport.org.

Location: Independence Seaport Museum, 211 S. Columbus Blvd., Philadelphia, PA 19106. The Museum is easily accessible by public transportation and nearby parking.