Estuary Explorers
Waterfront Field Labs, Workshops, and Virtual Learning

Estuary Explorers: Get to Know the Waterfront in Your Own Backyard!
Waterfront Alliance's Estuary Explorers program educates youth with STEM-based curricula focused on the ecologically rich and socially vibrant New York-New Jersey Harbor Estuary. We aim to give students and educators the opportunity to learn at waterfronts in their own communities!

Waterfront Field Lab
With Waterfront Alliance’s hands-on waterfront field lab and accompanying curriculum, students are able to apply the scientific method to their local shorelines. The program pairs experiential education at community waterfronts with extension lessons in the classroom to enrich students' understanding of marine ecology, estuarine geography, and climate change. The program is adaptable for students grade 4-12. Students and teachers are supported through our lessons on the geography of the harbor, the engineering behind permeable and non-permeable surfaces, and analysis of basic water quality parameters such as pH and temperature. The field labs are hands-on and take place at some of the city's waterfront parks, piers and open spaces.

Multi-Week Workshops
Waterfront Alliance is proud to offer multi-week workshops to explore the depth of our education toolkit with your students! Based off lesson plans from our own tested educational activities in the Coastal Resilience Education Toolkit, our programs dive into lessons around climate change, community engagement, and water quality. Workshop options include: 2 week model exploring human impacts in the New York-New Jersey Harbor Estuary 4 week model exploring human impacts, waterfront modeling, and water quality testing 7 week model that goes into every lesson in the Coastal Resilience Education Toolkit

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Virtual Programs
Waterfront Alliance is happy to offer pre-recorded or live session lessons focused on any of the activities in the Coastal Resilience Education Toolkit. We can virtually lead your class through any of the activities in our education toolkit, or provide a pre-recorded lesson that can better meet the needs of your schedule.

Examples of Field Lab Locations
- Hallets Cove, Queens
- Pugsley Creek Park, The Bronx
- Brooklyn Bridge Beach, Manhattan
- Buono Beach, Staten Island
- Valentino Park and Pier, Brooklyn

Quick Facts
- Programs available in all 5 boroughs for schools, libraries, and community organizations
- Field labs range from 60 to 90 minutes
- Field lab, classroom learning, or remote programs are customizable and flexible
- Teachers are provided with lesson plans, a lab kit, and materials for future lessons
- Our lesson plans include takeaways on civic engagement regarding climate change and urban planning

"It was such an amazing experience to actually be at the water and through the surroundings, realizing that we are truly on an island."

Brooke Kalick – Student, PS 124 Yung Wing

As COVID-19 Restrictions Lift
Waterfront Alliance is fully committed to following all NYCDOE safety guidelines regarding COVID-19, as well as any guidelines put out by your individual school.