



The Sheffield Island and The Estuary Ecosystems of Long Island Sound

Come learn about the Sheffield Island Lighthouse, the Steward B. McKinney National Wildlife Refuge and how to take your students on an interdisciplinary field trip that incorporates NGSS, History and Science into an unforgettable interdisciplinary and educational experience for all grade levels.



Date: September 15, 2018 - 9 am - 3 pm



Join us on the Norwalk Seaport Associations ferry cruise to Sheffield Island. Learn about the Maritime history of Norwalk's Harbor and make curricular connections with Next Generation Science Standards such as

HS LS2-6 , DCI LS2.A - Interdependent Relationships, DCI LS2. C - Ecosystem Dynamics, DCI LS4.D - Biodiversity and Humans and CCC Stability and Change, Systems and System Models

- View and identify a wide variety of bird species on the journey to the island.
- Discuss the adaptations that have allowed various species to thrive in Norwalk's Harbor.
- Tour of the lighthouse and learn about the history of the island and the lighthouse keepers
- Explore the coast line and view, sketch or collect and identify a wide variety of
 - Shells, Crabs, Seaweeds and other small organisms
- Take water samples and discuss water quality
- Investigate, explore and compare the variety of estuary ecosystems present on the island including the salt marsh, rocky shore and sandy shore.
- Discuss the importance of each ecosystem and the impact humans have on those systems
- See one of the largest Osprey nests atop the boat ramp to the island
- Pull a plankton net and observe and identify plankton species present
- Pull a seine net and observe and identify the species collected
- Do a crab count of local crabs by size, species and sex.

Workshop Cost and Registration

1. Complete the google form using the link below to register :
<https://goo.gl/forms/gzhrVFPeXnvxuXH03>
2. Cost: \$10 venmo or check - details will be sent once registration is completed. Payment must be made to reserve your spot for the workshop
3. Goodie bags with supplies to run your own field trip will be given out at the end of the class and may include, seines, nets and other fun stuff

Please dress for the weather and be prepared to get wet, muddy and have fun. Bring your own lunch, bug spray and sunscreen we will be outdoors on an island for the majority of the day

Class will be taught by

Eva Bartush
Brien McMahon High School's
Marine Biology Teacher

and

Kimberly Smith
AITE High School's
Marine Biology Teacher