



This event sponsored by the National Science Foundation

Exploration of Shinnecock Bay

On board the Peconic research vessel

10:00AM- 1:00PM Friday, November 12, 2021

Register by November 4, 2021 via email to
Professor Tvelia, tvelias@sunysuffolk.edu

Come explore Shinnecock Bay aboard one of Stony Brook University's School of Marine and Atmospheric Science's research vessels.

During the excursion students will conduct a trawl for marine organisms and stop at two 'science stations' where scientific investigation of the water will be conducted and contrasted. Students will have the opportunity to participate in these investigations by deploying: Secchi disk to determine water clarity; YSI to measure temperature, salinity and dissolved oxygen at various depths in the water column; Sediment grabs to sample the 'seafloor' and compare the sediment between the two stations, and Niskin bottles to obtain water at a specific depth. Students will also have the opportunity to sort through and separate organisms from the trawl and to examine them individually via a 'wet table' aboard the vessel.

Additionally, we will actively look for seals, which are beginning to arrive in Long Island waters for the beginning of what we call "seal season" (Dec-May) when large numbers of harbor, grey and harp seals may commonly be seen (seals have already been spotted in the area). Pelagic birds will also be noted and identified.

If time allows, we will be given a brief tour of the Marine Research Station where active scientific research is currently being conducted.

The vessel departs from the Marine Research Station in Southampton so you will need to plan accordingly. For directions or more information regarding the School of Marine and Atmospheric Science please see the following site:

<https://you.stonybrook.edu/somas/about/facilities/southampton-marine-station/>



All participants must be fully vaccinated