Marine Pollution -LIS Mentor Teacher Professional Learning

9/12/25 - rain date 9/16

Join LIS Mentor Teachers Jill Levasseur and Nikki St. George from Bacon Academy for a professional learning session at Bluff Point State Park. The session is facilitated by Connecticut Sea Grant with funding from the EPA Long Island Sound Study.

Overview

Lessons for grades 6-12

- Storm drains and the oceans
- Water testing/Nitrogen cycle
- Microplastics in the estuary and ocean

Science connections

MS-ESS3-3
MS-LS2-3
MS-LS2-4
MS-LS2-5
HS-ESS3-1
HS-LS4-5
HS-LS2-7

Focus on designing solutions to reduce marine pollution

Ocean Literacy Principle #6 The ocean and humans are inextricably interconnected
Ocean Literacy Principle #5 The ocean supports a great diversity of life and ecosystems
Ocean Literacy Principle #4 The ocean makes Earth habitable

Materials provided

Participants will receive access to a folder containing all the resources/lessons from the day

Some materials/kits to be raffled off (water test kits, soil sieve sets, magnifying loops, copies of "Connecticut's Sandy Shores")

Registration

$ 10 registration-
email Nstgeorge@colchesterct.org
for how to register

*Dress for the field
*Bring a bag lunch
*Bring a water bottle
*Morning refreshments provided

See next page for full agenda

8:30 9:00	Refreshments Orientation to the day's events Introductions- **Diana Payne** LISMT program, CT Sea Grant and EPA LISS (funding agency) **Jill Levasseur and Nikki St. George,** Bacon Academy, Colchester CT
9:00- 9:30	Guest speakers ● Brian Flaherty; Bureau of outdoor recreation, CT DEEP -overview of Bluff Point State Park ● MaryEllen Mataleska; Mystic Aquarium -microplastics in the marine environment
9:30-10:00	Storm drains and ocean pollution -modeling storm drain pollution and developing solutions through engineering and design
10:00-10:30	Water testing- the role of nitrogen in ocean pollution The Nitrogen cycle & Eutrophication and hypoxia in LIS
10:30-11:30	Seining for fish- microplastics in fish and mollusks Biomaccumulation and biomagnification in the marine food web
11:30-12:00	Lunch
12:00-1:30	Walk to the beach Sieving for plastics in the sediments Plastic identification Next steps in the lab with students/Solutions to reducing pollution
1:30-2:30	Walk back to parking lot, debrief and evaluations