

Marine Studies Enrichment Program

July 14 - July 19, 2013

Sunday, July 14, 2013

Evening

- 7:00 Arrival- Dorothy P. Flint Nassau County 4-H Camp Cliff House
- 7:00-8:30 Orientation to facilities and site
Sleeping quarters assigned
Introduction to Marine Studies Enrichment Program
- 8:30-9:30 Explore Long Island Sound Shoreline
- 9:30-10:00 Relocate to sleeping quarters
- 10:00-10:30 Journal entries in sleeping quarters

Monday, July 15, 2013

Morning - Low Tide 10:55 pm

- 8:00-8:30 Breakfast – Cliff House
- 8:30-9:30 Transportation to Long Island Sound, Flax Pond, Stony Brook
- 9:30-11:00 Salt Marsh Investigation
Transect/quadrat study to investigate the relationship between elevation and the flora and fauna of a salt marsh
- 11:00-12:30 Invasive Species Study – *Hemigrapsus sanguineus* population (Asian Shore Crab), plankton collection and seining for fish and shrimp

Afternoon

- 12:30-12:45 Transportation to West Meadow Beach, Stony Brook
- 12:45-2:15 Lunch – West Meadow Beach
Recreational Swim – West Meadow Beach
- 2:15-3:15 Transportation to Cliff House
- 3:15-3:45 Prep time
- 3:45-4:15 Presentation, "Plankton"
- 4:15-5:00 Microscopic examination of plankton samples
- 5:00-5:30 Begin constructing plankton for plankton races

Evening

- 5:30-7:00 Ice breakers and Group Games
Dinner- Cliff House
MSEP 2012 Kick-Off!
- 7:00-7:15 Prep time
- 7:15-10:00 Identify and examine salt marsh specimens
Salt Marsh data: Discussion and cooperative graphing
Plankton Races
- 10:00-10:30 Journal entries in sleeping quarters

Tuesday, July 16, 2013

Morning

8:00-8:30	Breakfast- Cliff House
8:30-10:30	Transportation to East Hampton Town Shellfish Hatchery
10:30-12:00	Shellfish Experiment

Afternoon

12:00-12:30	Transportation to Gosman's Dock
12:30-1:00	Lunch
1:00-1:30	Guest Speaker - Dr. Stephanie Forsberg
1:30-2:00	Transportation to Montauk Point Lighthouse
2:00-3:30	Tour Montauk Point Lighthouse
3:30-4:00	Transportation to Napeague Beach, Hither Hills State Park
4:00-5:30	Napeague Beach, Hither Hills State Park - Recreational swim

Evening

5:30-7:00	Transportation to Cliff House
7:00-7:30	Dinner- Cliff House
7:30-8:00	Prep time
8:00-9:00	Presentation - "Marine Mammals" and thermoregulation experiment
9:00-9:30	Journal entries in sleeping quarters

Wednesday, July 17, 2013

Morning - Low tide 8:04 am

7:00-7:30	Early Breakfast Cliff House
7:30-8:30	Transportation to Shinnecock Inlet, Eastern Jetty
8:30-10:30	Rocky Intertidal Investigation-Shinnecock Inlet Zonation transect/quadrat study
10:30-10:45	Transportation to Cooper's Beach, Southampton
10:45-12:00	Recreational swim-Cooper's Beach, Lunch at Cooper's Beach

Afternoon

12:00-1:00	Transportation to the Long Island Aquarium and The Riverhead Foundation for Marine Research & Preservation
1:00-3:00	Visit Atlantis Marine World
3:00-5:00	Necropsy: Seal anatomy and physiology at The Riverhead Foundation rehabilitation facility or Behind the Scenes Tours of Atlantis Marine World Aquarium and The Riverhead Foundation
5:00-5:30	Transportation to Cliff House
5:30-6:30	Prep Time

Evening

6:30-7:00	Dinner at Cliff House
7:00-8:15	Ocean Acidification: A chemical investigation on the impacts of ocean acidification on shellfish
8:15-9:00	Identify and examine Shinnecock Inlet specimens Shinnecock Inlet Data: Discussion and Graphing
9:00-9:30	Edible Algae
9:30-10:00	Journal entries in sleeping quarters

Thursday, July 18, 2013

Morning

7:45-8:15	Breakfast- Cliff House
8:15-9:15	Transportation to Ponquogue Bridge Pier
9:15-10:30	Fishing-Ponquogue Bridge Pier
10:30-10:45	Transportation to Ponquogue Beach
10:45-12:15	Recreational Swim-Ponquogue Beach Lunch Ponquogue Beach

Afternoon

12:15-1:00	Transportation to SUNY Stony Brook Southampton Marine Sciences Field Station
1:00-4:00	Shinnecock Bay Investigation aboard the research vessel Peconic
4:00-5:45	Transportation to Cliff House

Evening

5:45-6:30	Dinner- Cliff House
6:30-7:00	Prep time
7:00-9:00	Fish Dissection: Anatomy, physiology and gut analysis
9:00-10:00	Gyotaku fish printing Ice cream
10:00-10:30	Journal entries in sleeping quarters

Friday, July 19, 2013

Morning

7:30-8:00	Breakfast- Cliff House
8:00-8:30	Prep for departure
8:30-9:00	Program evaluation
9:00	Departure from Cliff House