



Curriculum & Standards

Sandy Beach Hike (2 ½-3 hrs):

During the afternoon of the first day, students get to know their leader and the other students in their field group (pod), participate in some team-building activities, and explore the biotic and abiotic aspects of the sandy beach.

State Science Standards: 5th 2 (e, f, g) 3 (b, c, e) 4 (a, b, c) 6 (a, e) 6th 1 (b) 2 (a, b, c) 3 (a) 4 (a, d, e)
5 (a, b, c, d, e) 7 (e, h)

Ocean Literacy Standards: 1(g, h) 2(a, c, d)

Sand Crabbing & Filter Feeders (2 ½-3 hrs):

The scientific method and data collection practices are heavily addressed in our sand crab monitoring program, adapted from curriculum available at www.limpetsmonitoring.org. Students learn specimen and data collection methods as well as work through processing data sets.

State Standards: 5th: 2 (a, g) 6 (b, f, g, h) 6th: 5 (a, b, c, d, e) 7(a, b) 7th: 2 (a), 3 (a, b, c)

Ocean Literacy Standards: 5(a, d, h)

Plankton Labs (3 hrs):

Students collect and examine plankton samples taken from the ocean. They learn about ocean currents, plankton adaptations, and human impacts as they explore their samples.

State Science Standards: 5th: 2 (a, f, g) 6(a) 6th: 5 (a, b, c, d, e) 7th: 2(a)

Ocean Literacy Standards: 2 (a, b) 4(a) 5 (a, b, d, i) 6 (b)

Squid Dissection (1 ½ - 2 hrs):

Students learn and explore the internal and external anatomy of the squid during a hands-on, instructor-led dissection. Each pair of students will have their own Market Squid (*Loligo opalencens*) to dissect.

A calamari feast will follow!

State Science Standards: 5th: 2 (a, b, c) 6(g) 6th: 5 (a, b, c) 6 (a, b, c) 7th: 5 (a, b, c, d, e, f, g)

Ocean Literacy Standards: 1 (h) 5 (a, c, d, e) 6 (b, g)

Marine Debris (3 hrs)

Marine Debris: Students examine this pressing issue facing the world's ocean by learning what marine debris is and the role it plays in the health of our marine environment. The activity includes a hands-on exploration and analysis of marine debris on a local beach.

State Science Standards: 5th 5(a,b) 6th: 6(b,c) 7(a)

Ocean Literacy Standards: 1(c,g) 6 (d, e, g)

Water, Water, Water (3hrs)

Students design a watershed model to discover the intricate connection between land and sea, while discovering the importance and influence of water quality on that connection.

State Science Standards: 5th 3 (a,b,c,d, e) 6(a,h) 6th: 1 (e,f) 2(a) 4(a)7(b,c)

Ocean Literacy Standards: 1 (f, g) 3 (a,b) 5(f, l) 6 (a, e, f)