

Org-Type	Non-Profit-based		
Lead	Farallones Marine Sanctuary Association (FMSA)	PoC	Amy Dean, Education Manager
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Address			
URL			
Service-Region	Bay Area		
Type	Professional Development for Teachers Student Program Lesson Plan Resources		
Subjects	Environmental Science		
Level	High School (9-12th grade) Undergraduate		
Other-Objectives			
Served-per-Year	3500	Demographics	
Content	<p>There are two monitoring projects that are offered, the Rocky Intertidal Monitoring Project and the Sandy Beach Monitoring Project. Participants of the program walk along the coast of California and are involved with the collection of environmental data. More about the two projects is listed below. Rocky Intertidal Monitoring Project The rocky intertidal on the west coast of North America is one of the richest and most diverse habitats in the world. The plants and animals living in the rocky intertidal are well adapted to the waves, tides, and other harsh conditions that make this environment unique. Unfortunately, these intertidal creatures are often threatened by the impacts of human behavior. Threats such as harvesting, trampling, and global warming can cause changes in the distribution, abundance, and diversity of the biota at the rocky shore. Students taking part in the Rocky Intertidal Monitoring Project survey key invertebrate and algae species at one of the Sanctuary's established monitoring sites: Duxbury Reef, Marin County or Pigeon Point, San Mateo County. By monitoring, students contribute to a long-term data set used to identify changes in the abundance and distribution of species over time. Sandy Beach Monitoring Project Students have fun getting sandy and wet while monitoring the distribution and abundance of the Pacific mole crab (<i>Emerita analoga</i>). We monitor mole crabs at Sanctuary beaches because they are an important link in the food web. Teachers and FMSA staff work together to locate a safe monitoring site that is close to the participating school or facility. FMSA supports teachers interested in monitoring at beaches in Sonoma, Marin, San Francisco, and San Mateo counties. The data collected are meant to provide baseline data for the Sanctuary in the event of an oil spill or other disaster. Students are encouraged to use the data to answer their own research questions.</p>		
Outcomes	Through research-based monitoring, students develop their problem solving skills, gain experience using tools and methods employed by field scientists, and learn to analyze data.		
Started		Funded-Through	
Length	Ongoing	Cost	
Primary-Funding		Primary-\$	
Materials			
Other-Funding			
How-Assessed			
Best-Practice-Why			
Promising-Practice			
Sponsor		Sponsor-Org	
Sponsor-Phone		Sponsor-Email	
Other-Orgs			