



The Stone Soup Leadership Institute's BETA Program
 Redwood High School Environmental Science & Tech Program

Daniela Fernandez - Sustainable Ocean Alliance
 Marine Biology

Daniela Fernandez
 In three sentences, describe what Daniela Fernandez did.

What was significant about her actions?

What impact did her actions have?

Local Water Conservation Agencies	Bay Area Water Supply and Conservation Agency: https://bawsca.org/about What are three ways that this organization positively impacts your community?
	San Mateo County Office of Sustainability: https://www.smcsustainability.org/energy-water/water-conservation/ What are three ways that this organization positively impacts your community?
	Flows to Bay: https://www.flowstobay.org/preventing-stormwater-pollution/in-my-community/watershed-partners/ What are three ways that this organization positively impacts your community?

Design a Marine Protected Area Class Activity
 Notes:

Final regulations:

Sustainability Certificate: Oceanography - [City College of San Francisco - Oceanography](#)

1. Familiarize yourself with the certificate program.
2. Which classes stand out to you?
3. How much does this certificate cost?
4. What are the prerequisites for starting this program?

Career Options: Read through the following careers related to oceans. Choose two for the questions below.

Oceanographer - [What is Oceanography?](#)

An Oceanographer is a scientist who covers a wide range of topics that span the broad reach of the ocean including marine life and ecosystems, ocean circulation, plate tectonics of the sea floor and many others. Here are the 4 main disciplines within oceanography.

Biological Oceanographers: Biological Oceanographers, also known as marine biologists' study marine ecosystems and their inhabitants.

Physical Oceanographers: Physical oceanographers study the physical conditions of the oceans including waves, currents, eddies, coastal erosion and interactions between the atmosphere and ocean.

Chemical Oceanographers: Chemical Oceanographers study the composition of seawater, its processes and cycles and the chemical interaction between seawater, the atmosphere and the seafloor.

Geological Oceanographers: Geological Oceanographers examine the history of sea-floor spreading, plate tectonics, and ocean circulation to assist in the understanding of the oceans floor.

Average Annual Salary: **\$93,850** is the average annual salary for an Oceanographer, however, working at NOAA (National Oceanic and Atmospheric Association) or for the federal government would yield a salary range of \$106,630 - \$197,300.

Aquaculturist - [Aquaculture Area of Opportunities](#)

Aquaculturist understand the growth, development and production of aquatic animals by raising them in controlled environments.

- Average Annual Salary: **\$64,170**

Blue Entrepreneur - [Sustainable Ocean Alliance - Ocean Solutions Accelerator](#)

The Sustainable Ocean Alliance has assisted in propelling 45 world-leading ocean tech start-ups and counting. Blue Entrepreneurs are individuals who are interested in starting a small business, scalable start-up or large company to assist in the development or protection of the ocean.

- Average Annual Salary: **\$60,000 - \$120,000**

Choose two careers to consider for this question:

What interests you about this career? What is its importance? What stands out to you? Does this sound like a “career” or a “job” to you?

1)

2)

Exit Ticket:

What inspires you about Daniela’s Story?

What is the difference in your mind between a “job” and a “career?” Which would you prefer?

Stone Soup Leadership Institute
www.stonesoupleadership.org
<https://sustainwdn.com/redwood-high-school-beta/>