



Images courtesy of NOAA Ocean Exploration



# Life Beyond Light: Chemosynthetic Communities of the Deep Ocean

Professional Development for Educators of Grades 6-12

Saturday | March 22, 2025

8:30am - 4:00pm

In partnership with and hosted by:

South Carolina Aquarium

100 Aquarium Wharf, Charleston, SC 29401

Educators of grades 6-12 are invited to join a NOAA Ocean Exploration facilitator and our Education Alliance Partners for a full-day, in-person professional development workshop. Together we will explore hydrothermal vents and cold seeps, two deep-sea ecosystems with dense biological communities fueled by chemosynthesis.

This fun-filled, full-day workshop will include:

- An introduction to NOAA Ocean Exploration
- Several phenomena-based student investigations and hands-on activities that support current science standards
- Reflection and discussion with peer educators about how to implement these materials in the classroom
- A guided tour of additional free, online ocean education resources to bring the excitement of deep-sea exploration alive in the classroom

Registration is required and space is limited. Registered educators will receive a collection of classroom-ready resources to continue exploring these topics in their classrooms, including student investigations, videos, fact sheets, and more. Additionally, educators that attend the full day, in-person workshop will receive a Certificate of Participation and a \$100 stipend.

*Lessons are designed for grades 6-12, but may be adapted to additional grades.*

**Registration  
Deadline:  
March 15, 2025**

**Register at:**

<https://6972a.blackbaudhosting.com/6972a/NOAA-Teacher-Workshop-22Mar2025>

**For more information contact:**  
[sbohland@scaquarium.org](mailto:sbohland@scaquarium.org)



[oceanexplorer.noaa.gov/edu](http://oceanexplorer.noaa.gov/edu)



This NOAA Ocean Exploration professional development for educators is offered in cooperation with the National Marine Sanctuary Foundation under federal award NA24OARX011C0001.