

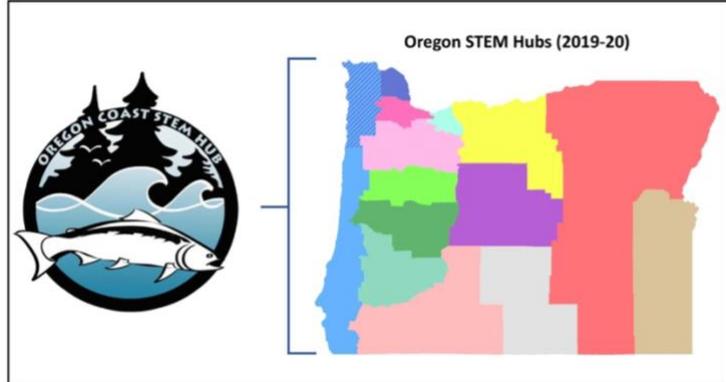
Oregon Coast STEM Hub

Who We Are



Headquartered at the Hatfield Marine Science Center in Newport, the **Oregon Coast STEM Hub (OCSH)** serves coastal educators, youth, and rural communities along the entire Oregon coastline, from Brookings to Astoria. Our Hub's geographic region provides unique opportunities for

place-based learning focused on coastal ecosystems, marine science and technologies, and career-connected learning for the maritime sector and other coastal industries. The OCSH supports a wide array of STEM teacher professional development and student experiences in a variety of STEM fields, collaborating with more than 60 partners throughout the region. Our partners include 20 school districts and five post-secondary education institutions, as well as a broad coalition of industry, community organizations, and government agencies committed to our vision to foster a culture of STEM innovation.



Student STEM Experiences

*

Teacher PD

*

Community Partnerships



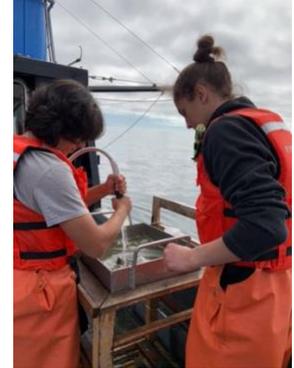
VISION: *Fostering a culture of STEM innovation by engaging people of all ages to create a vibrant and prosperous region.*

MISSION: *The Oregon Coast STEM Hub engages learners with STEM by leveraging local and regional resources and collaborating with diverse partners.*

Oregon Coast STEM Hub

OUR IMPACTS in the 2019-20 Academic year

- ➔ **2,005** students engaged in direct career-connected student STEM learning experiences
- ➔ **437** educators engaged in **4,388** hours of STEM professional development, reaching **25,806** students
- ➔ **103** STEM business and industry volunteers contributed **1,345** hours to support student STEM experiences
- ➔ **\$369,251** grants and sponsorships secured for the Oregon Coast



Shipboard Experiences for Students and Teachers
HS teachers and students from Siletz and Bandon worked with researchers to collect data on the *R/V Pacific Storm*



Oregon coast students and teachers studied marine mammals and seabirds during a 4-day research cruise on the *R/V Oceanus*.

2,700 students benefitted from STEM equipment borrowed from the Oregon Coast STEM Hub trailers



Partnering school districts that used STEM materials provided by OCSH saw a 25% increase in student attendance on days with normally high absenteeism.

“Thank you so much for supporting our students!” -Teacher on the *R/V Pacific Storm*

“I can’t imagine a better way to teach students about ocean science and what it takes to be a researcher.” -Student on the *R/V Oceanus*

OREGON MARINE SCIENTIST AND EDUCATOR ALLIANCE

OYSTER LARVAE CATASTROPHE	DECLINING SEAGRASS ABUNDANCE	COPEPOD CONUNDRUM
MANAGING WHALES AT RISK	MURRE POPULATIONS IN FLUX	MARINE RESERVE IMPACTS
KILLER WHALE POPULATION IN DECLINE	GEOMETRY OF MARINE INVERTEBRATES	

ORSEA Professional Development – The Oregon Marine Scientist and Educator Alliance (ORSEA) connected math and science educators with scientists to create curricula focused on marine phenomena. Lessons included opportunities for data exploration and career-connected learning, while building STEM skills.

STEAM Activity Kits in Libraries
1,000 STEAM kits and bilingual activity books were created for six public libraries and distributed to young families through Summer Reading Programs.

