

OREGON COAST STEM HUB

BY THE NUMBERS

- # Schools Districts: **20**
- # Students: **26,322**
- # Educators participated Professional Development (PD): **172**
- # Students participated in STEM Hub Programs: **2,076**
- # Student hours in Hub supported programs: **7,122**

INITIATIVES

BEYOND THE NUMBERS

- Career Connected Learning
- Computer Science
- Design Thinking
- Early Learning
- Industry-connected Classroom Learning
- K-8 Math Leadership
- Mathways
- Rural STEAM Leadership Network
- STEM School Transformation
- STEM Beyond School

At the Oregon Coast STEM Hub, Computer Science (CS) is meant for all grade levels and students. We seek out barriers to participation in CS by offering the **Strategic CSforAll Resource & Implementation Planning Tool** or **SCRIPT** training for teachers, administrators and counselors. We help districts offer a broad, equity focused, introductory CS class at each high school. Lincoln County School District has been at the forefront of this work, with a team of educators and administrators committed to assuring every student has the opportunity to learn and explore CS as a tool that can be used in any career field they choose.

Backbone Organization: **Oregon State University**

Counties in Region: **Clatsop, Coos, Curry, Lincoln and Tillamook, and coastal communities in Douglas and Lane.**

Sq. Miles in Region: **7,207**

Website: **oregoncoaststem.oregonstate.edu**



REPRESENTATION MATTERS

INDUSTRY >

Industry volunteers: **43**
Industry volunteer Hrs: **51,087**

Coastal communities are rural, and industry partners and opportunities for our students are limited, with tourism and hospitality as the most visible career opportunity. This limited view is often the only place our underserved students see themselves represented. Together with our Workforce Investment Boards, we are working to highlight sometimes-hidden local career opportunities. One example is our mental health and healthcare program for bilingual and trilingual students from Latino/a/x and Indigenous Mesoamerican backgrounds. We are excited to see this program launch in 2023, as it will provide underserved and underrepresented students the opportunity to see themselves in these fields.



Mayan indigenous families attending a STEM summer program.

DETAIL >

MEET THE OREGON COAST STEM HUB

The Oregon Coast STEM Hub is based at the Hatfield Marine Science Center, Oregon State University. We have access to state-of-the-art oceanographic research. Our bicultural and bilingual staff and volunteers work directly with local Community-Based Organizations to build their confidence and capacity in STEM Education. Living on the coast, our economy depends on ocean resources. This 'Blue Economy' encompasses all economic sectors that utilize and affect water-related resources. It includes not only the maritime sector, but also science and technology, climate change, coastal engineering, ocean energy, maritime fuels, tourism, and more. The Oregon Coast STEM Hub aims to increase learning opportunities and career connections for students to this 'Blue Economy' so students have the opportunity to explore careers close to home and those that connect to the importance of sustained development and care of coastal regions and marine life.