

SOUTHERN OREGON STEAM HUB

BY THE NUMBERS

- # Schools Districts: **13**
- # Students: **48,126**
- # Educators participated Professional Development (PD): **534**
- # Students participated in STEM Hub Programs: **4,272**
- # Student hours in STEM Hub supported programs: **8,000**

INITIATIVES

BEYOND THE NUMBERS

- Career Connected Learning
- Early Learning
- Industry-Connected Classroom Learning
- Mathways
- Rural STEAM Leadership Network
- Youth Voice
- After School and Summer
- Bus Project
- Lending Library
- Pre-apprenticeship Expansion
- NASA in the classroom

Oregon is at the forefront of a nation-wide movement to increase accessibility of mathematics and math-connected career pathways for students. Southern Oregon STEAM works with over 30 high school math teachers statewide in support of this "Mathways" project, facilitating the development of learning units that connect rigorous algebra, geometry, and data reasoning concepts with careers. Southern Oregon math leaders meet with Career and Technical Education (CTE) teachers and industry partners to bring real math applications to our participants. Together, we aim to help EVERY student learn math that is engaging and relevant to their lives.

Backbone Organization: **Southern Oregon ESD**
 Counties in Region: **Klamath, Josephine, & Jackson**
 Sq. Miles in Region: **10,580**
 Hub Director: **Karla Clark**
 Email: **Karla_Clark@soesd.k12.or.us**
 Website: **TBD**



INDUSTRY >

CAREER CONNECTED LEARNING

Industry volunteers: **200**
 industry volunteer Hrs: **275**

Through our state-funded, Career Connected Learning grant we fund educator externships each summer and are looking to expand our focus of construction to include other industries. An analysis funded by the Oregon Community Foundation demonstrated the need in our region to expand opportunities for high school students in both construction and health care. Industry partnerships in our tri-county region have expanded the Pre-Apprenticeship program in Klamath County and helped us start a "Bus-to-Home Build" project in both Jackson and Josephine counties. With the statewide effort on Career Connected Learning and Employability Skills, we are digging a little deeper to further understand how teachers are embedding employability skills into the classroom.



DETAIL >

Our Mathways educators hard at work.

MEET THE SOUTHERN OREGON STEAM HUB

The Southern Oregon STEM Hub region is vast and contains diverse school districts. From Medford, with just under 14,000 students, to Pinehurst with 12, the Southern Oregon STEM Hub aims to serve all. One of the best ways we have found to serve all is being an innovative leader in our statewide network. Southern was one of the first STEM Hub regions to pilot YOUSCIENCE, an aptitude and interest assessment modeled after the same assessment used by the military. The student-friendly version provides not just results of a student's aptitude, but is an expansive tool for students as they explore education pathways and careers. This tool has led to youth-demand in our region for CTE courses. We have seen an amazing 200% increase in CTE course enrollment during Fall of 2022 and we believe much of this is connected to our efforts with YOUSCIENCE. We were proud to be the pilot region for this tool and excited that many of our middle and high schools have seen the value of this program.