

CENTRAL OREGON STEM HUB

BY THE NUMBERS

- # Schools Districts: **14**
- # Students: **32,859**
- # Educators participated Professional Development (PD): **995**
- # Students participated in STEM Hub Programs: **4,925**
- # Student hours in STEM Hub supported programs: **18,597**

INITIATIVES

BEYOND THE NUMBERS

- Career Connected Learning
- Computer Science
- Design Thinking for STEM Equity
- Early Learning
- Mathways
- Rural STEAM Leadership Network
- STEM Beyond Schools
- STEM School Transformation
- Youth Voice

The pandemic response and recovery allowed us to adapt to how we provide equitable opportunities for our youth and educators. During 2022's 'Week of the Young Child' we co-created in partnership with Central Oregon Community College's Early Learning Program, the Early Learning Hub, and Neighbor Impact 2000, bilingual family engagement STEM kits. These kits include details on why youth should engage in STEM activities outside the traditional classroom. We distributed them through the Library District networks allowing us to reach the most rural "corners" of our region. Our own Central Oregon STEM Hub Library also supports vast distribution of STEM learning materials as it provides free delivery and pick-up of shared materials, This effort continues to break down the barriers to educator participation in STEM by providing the necessary resources for hand-on learning.

Winter 2023

Backbone Organization: **High Desert ESD**
 Counties in Region: **Deschutes, Jefferson, Crook and Lake**
 Sq. Miles in Region: **16,191**
 Hub Director: **Tracy Willson-Scott**
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CAREER CONNECTED LEARNING

INDUSTRY >

Industry volunteers: **40**
 industry volunteer hrs: **263**

We strive to provide career connected learning opportunities and target students who may not typically have access to this learning. Our *Science Explorations* program engages middle school students in science experiments at the three Central Oregon Community College campuses; our industry *Learn it Make* tours visit industry facilities; and our *Skilled Trades Fair* brings in 200+ industries and community partners to share career awareness experiences with students. In all of these experiences, the youth AND adults engage in discussions about personal career journeys and pathways to careers. By removing barriers to participation, all students are able to apply this real-world career preparation.



Just a few of our middle school CS students exploring the world of computers and technology.

DETAIL >

MEET THE CENTRAL OREGON STEM HUB

The Central Oregon STEM Hub is committed to elevating STEM pathways in our region and with the recent addition of Lake County, the Hub has helped achieve statewide STEM Hub coverage. Central Oregon is a growing region. Data released by the Oregon Employment Department shows the tri-county area, between 2020 and 2030, will experience the largest employment growth at 18.5% (state: 16.5%). Lake County is also expected to have employment growth at 10.9%, the average for rural counties. According to US Census estimates from 2021, our region is also young -- persons under 18 comprise 20.3% of the population. Between a growing economy and a young population our region is poised to help our state prosper. Our high-wage, high-demand, high-skill STEM careers are bountiful and are in healthcare, construction, technology, and manufacturing, all sectors we are proud to support through internships, externships and other hands-on learning experiences.