

UMPQUA VALLEY STEAM HUB

BY THE NUMBERS

- # Schools Districts: **13**
- # Students: **12,760**
- # Educators participated Professional Development (PD): **462**
- # Students participated in STEM Hub programs: **2,538**
- # Student Hours in STEM Hub supported programs: **7,640**

INITIATIVES

BEYOND THE NUMBERS

- Career Connected Learning
- Computer Science
- Early Learning
- Elementary STEAM Leaders
- Industry-connected Classroom Learning
- K-8 Math Leadership
- Rural STEAM Leadership Network
- Stem Beyond Schools
- STEM School Transformation
- Youth Voice

One barrier to STEAM Education in rural schools is access to adequate materials. This is no different in Douglas County. With great need came a helpful response: the constant curation and lending of STEAM learning materials. Currently, the STEAM Hub's library contains over 550 different STEAM assets, each of which provides opportunities for open-ended learning, which helps develop problem-solving, critical thinking, collaborative, and creative innovation skills. Each item is supported by starter lesson plans and access to a STEAM consultant to provide any necessary PD. In summer of 2022, 15 summer camp sites reaching an estimated 750 youth and utilizing 340 library assets were supported by the Umpqua Valley STEAM Hub's Lending Library.

Backbone Organization: **Umpqua Valley Community College**
 Counties in Region: **Douglas**
 Sq. Miles in Region: **5,134**
 STEM Hub Director: **TBD**
 Email: **TBD**
 WEBSITE: **TBD**



EXPANDING HORIZONS

INDUSTRY >

Industry volunteers: **49**
 Industry volunteer hrs: **120**

Youth in rural Oregon often do not have access to career experiences. UVSH partners with industry, the local tribe, schools, agencies, and organizations to provide career connected learning (CCL) experiences throughout the CCL continuum - career awareness, exploration, preparation and training. In 2019 many of the region's 140 industries partnered with the STEAM Hub to bring *Expanding Horizons* camps to 163 youth. These free week-long career exploration experiences focused on student-centered projects and included local industry visits. Currently in development is an *Expanding Horizons* trailer. This trailer will bring hands-on, minds-on career learning to the most rural areas of the county. Another valuable resource for the community is a vibrant, career connected learning website (brightfuturesumpqua.org). This website is available in both Spanish and English, and provides resources for students, parents and mentors to consider when planning for careers and education.



A Douglas County family exploring STEAM at the County Fair.

DETAIL >

MEET THE UMPQUA VALLEY STEAM HUB

The Umpqua Valley STEAM Hub provides support to public schools ranging in student size from 5,539 (Roseburg) to 213 (Days Creek). The region's industry includes wood product manufacturing, service, and education. Based on the Ford Family Foundation, the median income of residents is \$47,267 and 46% live below the Alice Threshold, a measure of financial ability to meet basic life needs. The 5-year graduation rate is 71.8% and 17.3% have a 4-year degree. These numbers only tell part of the story. The area abounds in natural beauty and the region is rich in natural resources. The Hub boundaries include the beautiful Umpqua watershed, moving water from the Cascades to the Pacific within the lush canopy of Douglas Fir trees.