

# COLUMBIA GORGE STEM HUB

## BY THE NUMBERS

- # Schools Districts: 10
- # Students: 10,426
- # Educators participated Professional Development (PD): 451
- # Students participated in STEM Hub programs: 4,711
- # Student hours in STEM Hub supported programs: 14,701

## INITIATIVES

## BEYOND THE NUMBERS

- Career Connected Learning
- Computer Science
- Early Learning
- Elementary STEAM Leaders
- Youth Voice
- Annual Gorge STEM Fair
- Gorge Robotics

The Columbia Gorge STEM Hub aims to develop strong working relationships with its partners. Workgroups have formed through Hub leadership and include *Empowered Educators*, *Career Connected Learning* and *Informed Community*. The goals for each of these workgroups are to make sure: Every learner has access to at least three career exploration experiences by 11th grade; make sure parents, youth and counselors are aware of high-wage, high-demand career pathways; and make sure all are aware of the related courses for those regional pathways. These workgroups aim to have at least 50 youth, ages 16-20, access summer career preparation employment every year,

Backbone Organization: **Columbia Gorge ESD**

Counties in Region: **Gilliam, Hood River, Sherman, Wasco & Wheeler**

Sq. Miles in Region: **6,698**

STEM Hub Director: **Julie Cucuel**

Email: **jcucuel@gesd.k12.or.us**

Website: **GorgeSTEM.org**



Columbia Gorge  
**STEM HUB**  
SCIENCE, TECHNOLOGY, ENGINEERING, & MATHEMATICS

## INDUSTRY >

## CAREER EXPOS AND STEM FAIRS

Industry volunteers: 55  
Industry volunteer hrs: 312

The Columbia Gorge STEM Hub builds strong industry partnerships through key events like the College and Career Expo. In 2022, 140 students from 11 schools attended the annual event to hear from 12 local businesses. The annual Gorge STEM Fair is another opportunity to partner with local business and industry. In 2022, 1000+ families explored STEM partner-hosted booths and had the opportunity to discuss their work and potential career opportunities. The STEM Hub also works to build strong partnerships with the area's High School Career and Technical Education programs. This work recently provided seven students the opportunity to participate in 280 internship hours at seven local worksites.



## DETAIL >

At our annual Gorge STEM Fair, a free community event, industry partners provide youth and their families with hands-on STEM experiences and career exposure.

## MEET THE COLUMBIA GORGE STEM HUB

The Columbia Gorge STEM Hub provides support for public schools ranging in size from 4,061 (Hood River) to 62 students (Spray). Key industries of the region are unmanned technology systems, healthcare, manufacturing, natural resources, agriculture, and renewable energies. This STEM Hub has a unique regional footprint as it has both densely populated centers and a frontier population. The 4,000-foot-deep canyon of the Columbia River, the boundary between Oregon and Washington States, serves as the backdrop to learning for students in this beautiful natural setting.