STEM Oregon
2017–2019

Oregon STEM/STEAM Hubs convene strategic partners to improve education and connect ALL learners to STEM experiences across multiple learning environments, from school buildings to libraries to creek beds to factory floors, igniting students' passions, interests and aspirations. Engaged learners become Oregon's future leaders, change-makers, and economic drivers equipped with the knowledge, skills and dispositions needed to support healthy families and communities positioned to thrive in a complex, STEM-focused global economy.

STUDENTS IMPACTED
223,559

PERCENT OF STUDENTS REACHED BY STEM HUBS
38.5%

HOURS STUDENTS SPENT IN HUB PROGRAMS
153,927

EDUCATORS ENGAGED
4,129

INDUSTRY VOLUNTEERS ENGAGED
2,892

STEM HUBS LEVERAGED FUNDING

STATE FUNDING 2017-2019 — $5.1 Million

NON-STATE FUNDING 2017-2019 — $4.8 Million

NON-STATE FUNDING SECURED FOR 2019-2024 — $3.0 Million

These are the students of the 4129 educators who participated in STEM Hub Professional Development. They represent approximately 38.5% of K-12 students in Oregon.

37,818 students participated in 153,927 hours of programming directly provided by an OR STEM Hub

STEM Oregon

HOW DOES MY COMMUNITY BENEFIT FROM A STE(A)M HUB?

STE(A)M Hubs bring community partners together to:

- ⚙ work toward shared STEM education goals with larger effect,
- ⚙ improve outcomes while reducing duplication of efforts and maximizing effectiveness, and
- ⚙ bridge the gap between research and practice to improve STEM learning for all

With the goal of a STEM-capable Workforce and STEM-literate & Engaged Citizenry

CONNECTING AND CONVENING

⚙ Educators ⚙ Business/Industry
⚙ STEM Professionals ⚙ Students
⚙ Community Programs ⚙ Families

LEVERAGING ASSETS & RELATIONSHIPS

⚙ Expertise
⚙ Organizational Resources
⚙ Buildings/Space ⚙ Materials
⚙ Thought Leaders ⚙ Influencers

DESIGNING STE(A)M PROGRAMMING

⚙ Multi-partner projects
⚙ Student Internships
⚙ In-school & out-of-school

SHARING BEST PRACTICES

⚙ Tools ⚙ Methods
⚙ Research ⚙ Evaluation
⚙ Assessment ⚙ Innovation

SUPPORTING EDUCATOR PROFESSIONAL DEVELOPMENT

⚙ Classroom Teachers, Counselors & Administrators ⚙
⚙ Community-based Educators ⚙ Research-based ⚙ User-centered ⚙
⚙ Equity-focused ⚙ Career-connected ⚙ Best Practices ⚙
⚙ Instruction & Assessment ⚙ Culturally Responsive ⚙ Externships ⚙

IMPLEMENTING SCALABLE SOLUTIONS

⚙ Common Measures ⚙ Oregon Connections ⚙
⚙ Chief Science Officers ⚙ High School Science for all ⚙

DEVELOPING SUSTAINABLE APPROACHES

⚙ Embedding STEM into existing programming ⚙
⚙ STEM Literacy Kits at Libraries ⚙ Place-based Learning for Students ⚙