



# STEM Transformation Schools

## Participating Hubs

Central Oregon STEM Hub  
East Metro STEAM Partnership  
Oregon Coast STEM Hub  
South Metro-Salem STEM Partnership  
Portland Metro STEM Partnership  
Umpqua Valley STEAM Hub

## Goals and Deliverables

- Design and host professional development institutes to create a differentiated suite of professional learning opportunities.
- Develop a cadre of STEM Coaches that can support schools seeking to become STEM or STEAM focused.
- Pilot the STEAM School certification & designation process elements and tools.
- Develop a plan to support building administrators to navigate the transformational school process.
- Develop a plan to support district engagement to better support STEM/STEAM schools.
- Develop, test, and refine tools and resources that support STEM School Transformation (Toolkit).
- Host a recognition event, STEMposium, to honor participating schools.

## Grant Overview

During the 2021-2023 biennium, the STEM School Program focused on piloting a system of support for K-8 schools pursuing STE(A)M transformation. The program also developed a

certification for K-8 Schools seeking a formalized STE(A)M School Certification. The Portland Metro STEM Partnership acted as the lead hub, while collaborating with and supporting five partnering STEM Hubs.

## Addressing Equity

STE(A)M education and instruction, when executed with best practices and research-based methodologies, is an innately equity-based instructional practice. STE(A)M instruction and learning builds confidence in teachers, improves student confidence and beliefs in themselves, and can connect in authentic ways to place-based, culturally affirming, and real world lived experiences of students.

School-wide STE(A)M transformation for STE(A)M Schools requires all members of the school community to focus on a system of learning that every student will experience. The whole experience includes the classroom, school grounds, assemblies, facilities, volunteers, and much more. Being a STE(A)M School requires the entire community to commit to a shared vision and take steps necessary to realize that vision.

Often, STEAM activities and pedagogy that are implemented on a teacher-by-teacher basis only benefit the students with access to those classrooms or teachers. Students furthest away from academic justice often do not experience regular STEM learning opportunities. A fully implemented STE(A)M school, therefore, is the most equitable way to assure that every child, regardless of their learning background and lived experiences, is guaranteed access to instruction in all the integrated components of science, technology, engineering, art, and math at every grade level.

Total Number of STEM Schools Over Time

