

# 2025 Impact Report Summary

## Who We Are

Greater Oregon STEM Hub (GO STEM) is a regional partnership serving the largest geographic area of any STEM Hub in Oregon. Established in 2014, GO STEM works across seven rural counties, 41 school districts, and 107 schools, reaching students, educators, families, and community partners throughout Eastern Oregon.

Our mission is to cultivate a community that values STEM learning, prepares youth for successful STEM careers, and builds pathways and pipelines that meet regional workforce needs. Our vision is regional prosperity through a thriving STEM workforce and career-ready rural youth.

## Our Reach and Impact

In 2025, GO STEM delivered 233 STEM events across Eastern Oregon, reaching over 26,000 students and 7,800 adults. By combining mobile delivery, educator professional learning, and community partnerships, GO STEM ensures high-quality STEM experiences reach learners regardless of geography or local capacity.

GO STEM programming emphasizes hands-on, place-based learning that reflects the industries, ecosystems, and communities of Eastern Oregon. Programs span early childhood through high school and extend beyond classrooms into libraries, community events, outdoor learning spaces, and workforce settings.

## Equity, Access, and Inclusion

GO STEM’s approach to equity prioritizes geographic access, differentiated support, and community-centered engagement. By bringing programming directly to rural and frontier communities, embedding STEM in existing gatherings, and fostering long-term partnerships, GO STEM ensures learners of all ages see themselves as capable scientists, engineers, and problem-solvers.

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# Core Programming

## Mobile Maker Lab (MML)

The Mobile Maker Lab serves as a traveling STEM classroom, delivering curriculum-rich, hands-on learning directly to schools and communities. In 2025, the MML visited nearly every school in Grant, Harney, Baker, Union, and Wallowa counties. Students engaged in engineering design, robotics, drone technology, and planetarium experiences—opportunities often unavailable in rural schools. Seasonal outreach at libraries, fairs, and community events expands access beyond the school day.

## Educator Externships

The Educator Externship Program strengthens connections between classroom learning and real-world STEM careers. K–12 educators participate in immersive, multi-day externships with regional industries and public agencies, gaining firsthand insight into forestry, conservation, fire management, and natural resource careers. In 2025, 100% of participants reported the externship was valuable and planned to share what they learned with students, increasing career awareness and strengthening rural workforce pipelines.

## AI and Technology Education

GO STEM’s AI and Technology programming introduces K–12 students to emerging technologies through accessible, hands-on learning. Lessons center agriculture, environment, and sustainability—industries foundational to the region—helping students see technology as a practical tool for solving local problems. Students explore concepts such as machine learning, computer vision, and data literacy while engaging in ethical conversations about technology’s role in their lives and communities.

## Oregon Mathways Project

GO STEM serves as the home for the statewide Mathways Program Coordinator, supporting implementation of high-quality mathematics instruction aligned to Oregon Math Standards. During the 2024–25 academic year, Mathways connected over 1,500 educators through professional learning, regional pilots, and collaborative curriculum work. Educators reported shifts toward more conceptual, equitable, and student-centered math instruction.

## Community Science Project (Qapqápnim Wéele / Grande Ronde)

In partnership with the Grande Ronde Model Watershed, this participatory science program engages youth and community members in monitoring the Grande Ronde watershed using Indigenous and Western science approaches. In 2025, 1,276 students participated across 24 monitoring sites, collecting data on water quality, biodiversity, and ecosystem health while strengthening stewardship, cultural knowledge, and community connection.

