



**IDAHO
STEM**
ACTION CENTER

Program highlights from
**YOUR
INVESTMENT**
in STEM

Stronger with STEM

Dear Partners –

As we move into a new year of connecting students, educators, and communities to a world of STEM learning opportunities, we take a moment to look back and recognize the work that has been done during a year like no other. Thanks to our committed partners and the many schools and organizations that bring impactful STEM programs to curious minds across our great state, we've found new ways to connect, deliver, and inspire.

Idaho STEM Action Center is realizing its vision of a diverse, equitable, thriving ecosystem for a prosperous, STEM-literate Idaho, even when the learning environment looks different. Last year, we launched the Idaho EcosySTEM, a statewide network of engaged partners from PreK-12 and higher education, out-of-school educators, employers, state agencies, legislators, and the Governor's office, each dedicated to ensuring equitable access to STEM, building awareness of and access to STEM education opportunities and STEM careers, aligning STEM education with Idaho workforce needs of today and tomorrow, creating successful metrics for STEM education and programming, and building STEM momentum within the state and nationally.

We closed our fiscal year on June 30th and it's time to share the STEM-azing results of partnered impact. Virtual access for students to STEM competitions, for educators to professional development, and for communities to share their successes proved that Idahoans of all ages are innovative and adaptive. A record year in Public-Private-Partnerships demonstrated extraordinary commitment to STEM education from industry partners.

Thank you for your support! Together we are building a strong, prosperous Idaho. We hope you enjoy this review of last year's STEM in action.

Best wishes,

Dr. Kaitlin Maguire



FY2021 In Review



INDEEDS Award – Industry's Excellent Educators Dedicated to STEM

- 2 STEMazing educators awarded
- Gina Kwid of Galileo STEM Academy, K-8 STEM Educator
- Tim Gering of Orofino Junior-Senior High, Physical Science and STEM Educator
- 2 educators honored with individual cash prizes
- 2 educator home schools received \$2,000 each for STEM initiatives and programs



Idaho Science and Engineering Fairs

Students presented their tangible projects and solutions to real-world problems virtually to panels of STEM professional judges this year.

- 150 students representing 10 schools
- 109 student projects
- 18 scientific association, industry and private student award partners
- 10 industry partners

project categories

Animal, Biomedical, and Microbiology; Behavioral and Social Sciences; **Earth, Environmental, and Plant Sciences;** Engineering, Math, Computer Science, and Embedded Systems; **and Physical Sciences**



i-STEM Summer Institutes Professional Development for Educators 2021

- 288 educators participating virtually
- 2 weeks of statewide instruction
- 6 locations hosting STEM topic presenters
- **28 STEM Topic Strands**

Example strands: "Cracking the Code: Computer Science for K-2 & Beyond," "Cultivating Citizen Scientists in Elementary Grades," "Teaching Mathematics Through Gaming"

- 4 statewide sessions trained on creating videos in the classroom, digital literacy, partnership asset mapping, and a breakout/networking sessions
- 9 supporting partners and sponsors

FY2021 In Review



P3—Public-Private-Partnerships

- 48 Programs and projects funded
- 23 Communities
- 71 Individual, industry and foundation funding partners

A P3 Success Story

- Think-Make-Create Trailers bring STEM learning directly to communities to provide access to STEM materials and hands-on learning opportunities where they are most needed.
 - First initiative of the Idaho STEM Ecosystem
 - Partnership of Idaho Out-Of-School Network and University of Idaho 4-H Youth Development
 - Participating agencies and providers: Idaho STEM Action Center, Idaho State Department of Education, Idaho Division of Career and Technical Education, and Gizmo-CDA

Think-Make-Create Trailers on the Move in Idaho

- 3 Treasure Valley
- 5 Northern Idaho
- 2 Eastern Idaho
- 1 Magic Valley
- Deployed to 11 rural and underserved communities
- Interior build-outs completed by high school students
- More than 1,000 children across Idaho impacted in CY2021



STEM AC Mission Statement

Advancing innovative opportunities for educators, students, communities, and industry to build a competitive Idaho workforce and economy through STEM and computer science education.

STEM AC Foundation Mission Statement

To raise and distribute funds for STEM education opportunities in Idaho for educators, students, and communities.



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Idaho STEM Action Center Foundation is a 501c3 non-profit organization founded to provide an additional giving option for funding and in-kind partners. All funding supports Idaho STEM Action Center programs.