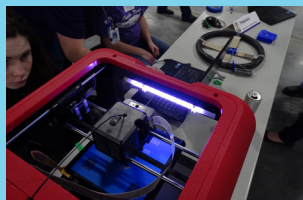
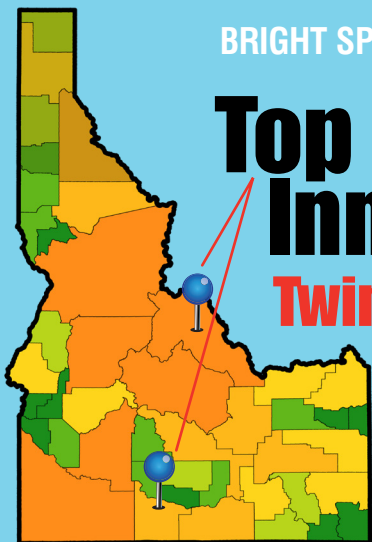


BRIGHT SPOT STEM Careers in Sight

Top Student Innovation!

Twin Falls and Salmon



Fabricating the Future

WHAT HAPPENS WHEN YOU MIX STUDENT INNOVATION WITH 21ST CENTURY SKILLS?

Idaho students competing in the 2019 FabSLAM Showcase identified a natural resources problem in their community that could be addressed using 3D printing and digital fabrication to then develop and document a product to help resolve it. The teams presented their solutions to a panel of judges and a public audience for review and feedback. The program engages youth in identifying, designing, prototyping, testing, and iterating solutions to real-world problems.

TEAM "THINK TANK" FROM THE NEWCOMER CENTER AT ROBERT STUART MIDDLE SCHOOL IN TWIN FALLS

won first place in the Idaho STEM Action Center's 2019 Eastern Idaho FabSLAM Showcase. Students grades 6-8 who emigrated from Chad, Uganda, Tanzania, and Mexico created a solution to address the need to prevent mud homes in Sudan and Uganda from being destroyed by rain. Team Think Tank designed a rain diversion and catchment system comprised of an awning, gutter, water pipe, and storage tank to protect homes during the rainy season and collect the water for use during the drought season. In addition to bragging rights, the students won a 3D printer and a \$200 cash prize for their classroom.

TEAM "FERN WATERS" FROM UPPER CARMEN CHARTER SCHOOL NEAR SALMON

took second place and won \$300. Students designed and created a digital library of wild and domestic animal tracks to help their fellow students develop greater knowledge and appreciation of local wildlife in their area, which is located in a river valley bordering a national forest.

IDAHO STEM ACTION CENTER hosts three competitions statewide with 42 participating organizations. Student STEM competitions are important to the future of Idaho, because STEM knowledge and skills are needed for critical and creative thinking, problem solving, innovation, and collaboration.



STEM stands for Science, Technology, Engineering and Math. It's in these subjects that students learn the skills of critical thinking, problem-solving and collaboration— skills that translate to success in many fields. The STEM Action Center is here to support this development and provide Idaho with the talent pipeline it needs for its economy to thrive. Idaho can generate a strong, STEM-competent and competitive workforce that will make us become a prime STEM business destination.



We build STEM through:

EDUCATOR ACCESS

to STEM professional development
THROUGHOUT IDAHO

36,000
EDUCATOR
INTERACTIONS

WORKFORCE

development-focused
partnerships with **INDUSTRY**
and **UNIVERSITIES**

8,000
STEM EDUCATION
interactions through
communities and
businesses

Student STEM COMPETITIONS

and camp support

500,000
STUDENT
INTERACTIONS

Today's students will be
tomorrow's workforce,
and STEM AC
has been created
to develop the
STEM-skilled talent that
Idaho employers need.

INDUSTRY PARTNERS



Twin Falls and Salmon

Fabricating the Future



TODAY'S EFFORTS.

TOMORROW'S SUCCESSES.

Industry participation is essential for success, and we're here to help make that participation easier. We've created many ways for Idaho businesses to engage with STEM education. From mentoring and volunteering to donating and partnering, you can help move the economy forward by closing the gaps in Idaho's workforce. Let us help you help Idaho!

LEARN MORE

To learn more about the STEM Action Center's strategies, success stories, and positive impacts in your community, email: admin@stem.idaho.gov.



802 W. Bannock St., Suite 900
Boise, Idaho 83702
Phone: (208)-332-1729

W stem.idaho.gov

f [IdahoSTEMAC](https://www.facebook.com/IdahoSTEMAC)

@ [idahostemac](https://www.instagram.com/idahostemac)

t [IdahoSTEMAC](https://www.tumblr.com/IdahoSTEMAC)