

STEM in the lab

• Inspiring Idaho's future STEM workforce

2020 IMPACT

17,000

STUDENTS EMPOWERED

817

TEACHERS & PRINCIPALS
UTILIZED RESOURCES

PARTICIPATED IN
STEM EVENTS

126

55

EMPLOYEES
VOLUNTEERED

\$325,000

AWARDED IN GRANTS
AND SCHOLARSHIPS

STEM in the Lab

Idaho National Laboratory's **STEM in the Lab** program is a K-12 initiative that aims to inspire Idaho's future workforce and increase access to learning and career exploration opportunities. At INL, we believe that STEM (*science, technology, engineering, and math*) resources should be available and accessible to all. Whether you're an educator, a parent or a student, we have hundreds of free learning resources to help you explore the wonderful world of STEM.

Our Mission and Goals

Through **STEM in the Lab**, INL aims to build a strong STEM foundation for Idaho students. With the help of our employees and statewide partners, we aim to:

- Inspire Idaho's future STEM workforce by creating STEM opportunities for all;
- Impact students, teachers and families through the integration of best practices in STEM education and help prepare Idaho students for rewarding STEM careers;
- Empower employees to engage in STEM education efforts.

STEM for All

Whether at home or in the classroom, INL believes everyone should have access to STEM education regardless of physical location or available resources. That's why we are part of a Rural STEM Collaborative, providing an extensive library of free learning tools for students, teachers, and parents. We promote equity – which is different from equality – giving extra help to those who need it, and targeting students from historically underrepresented populations in STEM fields.

DID YOU KNOW?

STEM jobs are some of the highest-paying!
On average, STEM jobs pay nearly twice as much as non-STEM jobs.

HOT JOBS

19 of the 20 “hottest jobs” in Idaho require STEM skills. These are jobs like nurses, engineers, software developers, and information security analysts.



To access any of our free STEM resources, visit STEM.INL.GOV

Programs and Initiatives

The following programs and initiatives are part of INL's ongoing efforts to create engaging STEM opportunities for all:

- Rural STEM Collaborative
- Work-based learning and virtual job shadows
- iSTEM, Teachers as Leaders Summit, and teacher externships
- Go on in STEM: career readiness toolkit
- Coding Coalition

Learning Resources

STEM exploration can happen anywhere – in a classroom, at an event, or even right at home. INL has an extensive suite of free tools and resources available to educators, parents, and students at stem.inl.gov:

- Resource Library of downloadable lesson plans and activities
- Interactive STEM kits for use in the classroom or at school events
- Access to Learning Blade, an online interactive learning portal

Events

INL supports student participation in several competitions and events, including but not limited to:

- Idaho Regional Science Bowl
- Idaho Invention Convention
- Idaho Science & Engineering Fair
- STEM camps and career fairs

Grants

On behalf of our operator, Battelle Energy Alliance, INL is proud to grant over \$300,000 to Idaho educators each year. With five grant categories, we can help match you with the right opportunities. Grant funding can be used for classroom materials, STEM events, school resources, STEM career exploration, and more.

Employee Engagement

Our STEM ambassadors are INL employee volunteers who bring their vast science, technology, engineering and math experience to students across the state.



Ambassadors can serve as judges, mentors, speakers, activity leaders, and more.

Learn More

To learn more about INL's *STEM in the Lab* K-12 initiative or take advantage of our free STEM learning and exploration resources, visit our website or contact us directly. STEM.INL.GOV OR ANGELA.GOOD@INL.GOV



NEW!

MOBILE NUCLEAR SCIENCE & TECHNOLOGY EXHIBIT

Let the nuclear energy learning come to you! You can request a visit from INL's mobile Nuclear Science & Technology trailer to your school or event. Experts in nuclear energy will provide hands-on activities to demonstrate how INL is *changing the world's energy future*. Our online reservation system opens in May 2021 for visits starting as early as August.