



## K-12 STEM EDUCATION OPPORTUNITIES

INL's K-12 STEM education and outreach program focuses on developing a skilled, talented and prepared science, technology, engineering and mathematics (STEM) literate workforce in order to fill the pipeline of potential future INL employees with scientists, engineers, and technicians.

At Idaho National Laboratory, students and teachers do more than just read about science and technology. They experience it firsthand through INL's various K-12 education programs.

They can work alongside our scientific and technical experts. Teachers can apply for money to buy equipment and tools for use in their classroom.

### INL K-12 OPPORTUNITIES

INL's core education programs include:

- Student outreach
- High school internships
- Teacher professional development programs
- Teaming with teachers
- INL education corporate investment
- Resource investment – student, informal STEM, teacher grants, and STEM classrooms
- Corporate – teacher resources and development
- Employee children scholarships

### TEAMING TEACHERS WITH INL

An eight- to 10-week summer program that teams teachers with INL scientific and technical experts. Teachers are exposed to the "real world" of science, technology and research.

### INDEEDS

Industry's Excellent Educators Dedicated to STEM (INDEEDS) is an award program that honors Idaho educators dedicated to teaching science and technology. It was created by the governor's office and is sponsored by INL and other members of the Science and Technology Roundtable.

### **K-12 STEM GRANT PROGRAMS**

These programs are designed to enhance elementary, middle school and high school science, technology, engineering and math (STEM) curriculum.

Informal STEM fund experiences beyond the traditional classroom and teacher-directed lessons. These include museum and exploratorium visits, field trips, club sponsorship, camps, guest speakers or student participation in STEM competitions.

Classroom Mini Grants fund equipment, materials, and supplies that enhance the teaching and learning of STEM. Extreme Classroom Makeover are large awards that fund classroom or laboratory renovations.

### **i-STEM**

A coordinated effort by INL, the state Department of Education, educators, businesses and industries to support K-12 STEM education. Regional STEM resource centers, Information Technology services, hands-on materials and classroom tools are provided to support teachers, workshops and training.

### **HIGH SCHOOL INTERNSHIPS**

An eight-week summer program that provides high school students an opportunity to learn from INL's scientific and technical experts.

### **INL SCIENCE BOWL**

The INL Scholastic Tournament is a quiz bowl competition that tests high school students' math and science knowledge.

The tournament season starts in February and March with teams competing weekly in league play competition to prepare for meets.

In April, teams advance to the championship in Idaho Falls to compete for their respective state titles. The winners compete in the National Science Bowl in Washington, D.C. in May. Prizes include domestic and international trips to facilities where cutting-edge science and engineering technologies are experienced first hand by the winners.

[www.inl.gov/partner](http://www.inl.gov/partner)

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DEVELOPING A SKILLED, TALENTED  
AND PREPARED STEM LITERATE  
WORKFORCE

