



WELCOME BACK!

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Idaho STEM Action Center 2016-2017 Opportunities:

The STEM Action Center has numerous grants, awards, and professional development opportunities available for Idaho educators this school year! We have listed a few upcoming opportunities below, but we encourage you to regularly visit our website and Facebook page to take advantage of these free and limited STEM resources.

And remember that many of our funding opportunities are available for afterschool, out-of-school, and/or library staff as well as formal educators.

We are also looking for industry mentors so consider adding your name to our list of experts willing to support students across Idaho! More information below.

New Grant Portal Launching Soon!

Applying for funding through the Center is about to change. Our new Community Grant Portal will allow us to refine our applications, track submissions and more effectively with evaluators. Stay tuned for our formal launch.

INDEEDS AWARD

Nominate a K-12 STEM Educator before September 21, 2016:

The Idaho STEM Action Center is excited to announce the Industry's Excellent Educators Dedicated to STEM (INDEEDS) Awards call for nominations! Do you know a deserving public school educator - currently in the classroom - who not only creates unique opportunities for students to experience the fun and excitement of STEM, but who also integrates real-world STEM examples and hands-on activities into the classroom? We'd love to hear their STEMazing story!

Two Idaho teachers with a strong commitment to going above and beyond in science, technology, engineering and mathematics (STEM) will be chosen by industry leaders including the Micron Foundation, Idaho National Laboratory, RiaFox, Hewlett-Packard, Idaho Power Company, and AECOM – formerly URS/Washington Group.

Industry awards each teacher a \$2,000 individual cash prize. In addition, the educators' schools will receive \$2,000 for STEM initiatives. New this year – the award recipients will also get additional funding from the Idaho STEM Action Center to attend a National Conference related to STEM to advance their professional practices!

Winners will be honored at the Idaho Technology Council's Hall of Fame and Innovation Award gala on October 25th, 2016. All nominations are encouraged.

Deadline to Nominate: September 21, 2016

Nominate K-6 Educator: <https://www.surveymonkey.com/r/FGSSTGM>

Nominate 7-12 Educator: <https://www.surveymonkey.com/r/FGYQXLN>

PROFESSIONAL DEVELOPMENT

Idaho Computing by Design Workshop on September 23, 2016 in Boise:

Check out this September 23 workshop in Boise to learn techniques to successfully reach out to female and underrepresented students. Computing by Design provides professional school counselors, administrators, and teachers nationwide with information and resources to guide more students to explore computing education and careers.

Learn more here: <http://coen.boisestate.edu/idocode/computing-by-design/>

Free Alice Workshop Training from Oracle Academy on September 24, 2016 at Boise State:

The Idaho STEM Action Center and Oracle Academy are pleased to offer a FREE Alice workshop to K-12 public school teachers (currently teaching) who are interested in introducing basic computer science concepts to their students. This workshop is designed for educators with little or no programming experience. It teaches basic Java programming concepts through developing 3-D Animations in Alice 3.1. Teachers will create animated stories and games using objects and characters from a rich gallery of 3-D models. Teachers will also receive the workshop curriculum and ongoing support to use in their classroom.

Space is limited, click the link below to apply if you are interested in learning Alice. If you are accepted for this course, you will be given instruction on how to register for the Oracle Academy and enroll in training.

Application Deadline: September 9, 2016

Date: September 24, 2016

Time: 9:30am-5:30pm (lunch will be provided)

Location/Venue Sponsor: Boise State University's Computer Science Department, 777 W Main St. Boise, ID 83702

Application: <https://www.surveymonkey.com/r/7VTNDHT>

Free Online Java Fundamentals Workshop from Oracle Academy from October 4 - November 22:

The Idaho STEM Action Center and Oracle Academy, Oracle's flagship philanthropy program, are pleased to offer FREE Java professional development and the accompanying curriculum to teachers in Idaho. Java Fundamentals is the first of two courses that can aid educators in preparing students for a Java certification or for the AP Computer Science A exam. The second supplemental training (Java Programming) builds on this course to complete a Java endorsement and takes place in January. More information coming soon. A \$1000 stipend will be given to educators who complete this training. The Java training is open to middle school and high school educators who plan to teach computer science within the next couple years.

Space is limited, complete this questionnaire if you are interested in learning Java today. If you are accepted for this course, you will be given instruction on how to register for the Oracle Academy and to enroll in training.

Application Deadline: September 9, 2016

Date: October 4 through November 22

Time: Tuesday / Thursday 6:00pm-8:00pm (MST)

Location: Virtual Instructor-Led Training

Click here to apply: <https://www.surveymonkey.com/r/8FBDVNZ>

Idaho STEM Professional Development Initiative:

The Idaho STEM Action Center is accepting applications for programs to support outstanding interdisciplinary STEM professional development opportunities for Idaho educators. Programs may apply for up to two years of funding; \$75,000 in the first year and \$50,000 in the second. To identify exceptional STEM professional development programs, the STEM Action Center is collaborating with Change the Equation (CTEq). Proposals will be accepted from applicants both inside and outside Idaho, but all funds must be used for activities in Idaho.

Learn more here:

http://changetheequation.org/stemworks_application/how-it-works/id.php

Fulbright Distinguished Awards:

The Fulbright Distinguished Awards in Teaching (DA) Program provides funding for highly accomplished U.S. primary and secondary level educators to take part in an intensive professional development program for three to six months abroad. The Fulbright Distinguished Awards in Teaching Program is sponsored by the U.S. Department of State, Bureau of Educational and Cultural Affairs and is administered by the Institute of International Education (IIE).

Learn more here:

<http://fulbrightteacherexchange.org/us-applicants/us-program-overview>

GRANT OPPORTUNITIES

Upcoming STEM Grants:

Do you know an educator or are you looking for devices to help incorporate coding into your classrooms? Do you have an innovative STEM idea and need support? Do you have students who want to design their own experience? Are you interested in embedding Java or Adobe into your classroom? If so, please check our website and Facebook page during the next 30 days as we will be posting numerous opportunities.

Here are some of the grants coming your way:

- PK12 Innovative STEM Grants
 - Device Grants
 - STEM Superconference Educator Travel
 - Java and Adobe PD
 - Junior Botball Challenge
 - Mini Maker Faire Support
 - Student Project support for Regional Science and Engineering Fairs
-

RECENT EVENTS

Idaho Day of Design:

Governor Otter officially proclaimed July 25th “Idaho Day of Design” and kids of all ages celebrated with free Tinkercad workshops and hands-on STEM fun at the Boise Centre on the Grove. Autodesk/Tinkercad trainers were slightly overwhelmed to discover that over 250 learners had signed up to learn about Tinkercad, Tinkercrafting, and Fusion 360. We even had a [Guinness World Record](#) broken during lunch! Keep an eye out for the 2017 Day of Design!



STEM Day at the Fair:

Opening day of the Western Idaho Fair was STEM Day this year! In partnership with KBOI 2-TV, the Center hosted a tent filled with hands-on activities for kids of all ages. A Stem Scavenger Hunt topped off the day and we had over 140 individuals vying for the \$250 Drone Package Grand Prize. STEMbusUSA was on hand of course and staff created fun and interactive assemblies throughout the day to engage and excite the audience. You can see video of some of the fun on our [website](#). This was such a huge success that we are pretty sure it will become an annual event.



MORE STEM RESOURCES

Mentor and Partner with Us:

We are looking to pair industry individuals with educators and their classrooms. Are you interested? Please fill out our partnership form and we will be in touch!

Learn more here: <https://stem.idaho.gov/partner-with-us/partner/>

Host a Lights on Afterschool Event:

Lights on Afterschool is the only national celebration of afterschool programs. Hosting an event is a great way to inspire support for your program and others around the country. If you register your event before September 1 as an official Lights on Afterschool celebration, you'll receive an event starter kit, which includes 10 free

posters to help you promote your event, and make you eligible for cool prizes each week.

Learn more here: <http://www.afterschoolalliance.org/loaHostEvent.cfm>

2016 Congressional App Challenge:

The 2016 CAC will take place from July 18 - November 2, 2016. Officially in its second year, the Congressional App Challenge is a bipartisan congressional initiative to improve student engagement in coding and computer science. Particular efforts are made to engage those students from groups and regions that are underrepresented in the tech community. Students can create their apps on any platform, working alone or in teams of up to four. Winning apps are selected by local judges, and the student winners will be honored by their Congressional representatives and have their apps put on display in the Capitol Building.

Learn more here: <http://www.congressionalappchallenge.us/compete-2016/>

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