

# Board Meeting

## October 30, 2018



**IDAHO**  
**STEM**  
ACTION CENTER

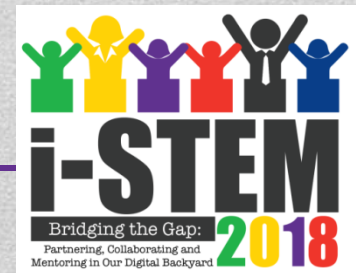
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**Room WW17**

**1:00 - 4:00 pm**

# GOAL #1: Coordinate and facilitate implementation of STEM programs throughout Idaho

- FabSLAM Workshops - 3 regions
- STEM Leadership Training (OSBE)
- STEM School Designation
- Early STEM Workshops- 4 locations Spring 2019
- Hour of Code Event Grant and trainings
- Grant for CS PD Providers closed
- VR4Ed Grant – Opening in November






# STEM Resources NOW Available

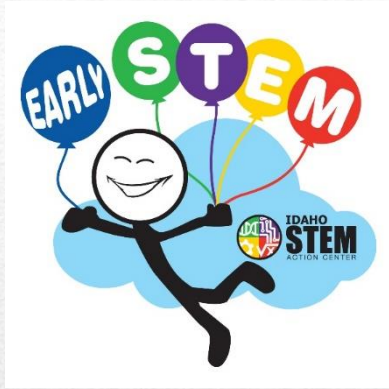
- Focused on providing links to relevant **resources**
- Will include **lesson** plans, toolkits, and best practices
- Will allow educators to upload and share resources
- Shows up-to-date **STEM job** information
- <https://resources.stem.idaho.gov/>

## STEM Resources Portal

|  |             |        |
|--|-------------|--------|
| <input type="text"/>   |             | Search |
|  Digital Resource | + Filters 0 |        |
| ▶ Grade Level  |             | 0      |
| ▶ Resource Type  |             | 0      |
| ▶ STEM Action Center Role  |             | 0      |
| ▶ Region   |             | 0      |
| ▶ Delivery Type  |             | 0      |
| ▶ Subject  |             | 0      |
| Clear Filters  |             |        |



# EARLY STEM Summit Report



October 26, 2018

Riverside Hotel

8:00 am - 4:30 pm

Will bring together librarians, birth to 8 formal and informal educators, museum directors, public television educators, researchers, and government agency staff.

Participants will:

- Determine a common definition of “early STEM”
- Select common language surrounding early STEM education
- Share research focused on STEM in the early years
- Create relationships between partners to identified priority needs, and
- Deploy a coordinated, intentional implementation of early STEM education throughout Idaho.





# STEM Day on the Blue

Spring 2019

BSU student athletes will host activities for 4-6<sup>th</sup> graders on the BLUE to inspire and raise awareness about STEM education and STEM careers.

Partnering with BSU Athletics and STEMfinity

Also includes:

- BSU student athletes will visit YMCAs in Idaho Falls and Twin Falls
- Game Day Sponsorship Events
  - Nov. 24<sup>th</sup> Football Game
  - Dec. 22<sup>nd</sup> Basketball Game



# GOAL #2: Align education and workforce needs throughout Idaho

## MakerMinded Update

- A Quick Review
    - A free, online advanced manufacturing learning platform for public school students in grades 5-12.
    - Purpose is to give students foundational skills in advanced manufacturing and inspire the next generation of innovators and makers.
    - Soft Launch - Site went live October 2nd.
    - Official launch will be after the election in mid November.
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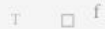
# GOAL #2: Align education and workforce needs throughout Idaho

## MakerMinded Update (cont.)

- Goals:
    - Sign up 50 schools/1000 users during first year of competition.
      - To date we have 24 schools and 52 users.
    - Offer 50 student activities.
      - Currently have 103 student activities and 11 PD options for teachers.
    - Directly connect students and schools to industry with at least 25 collaborative opportunities.
      - Thus far, 45+ manufacturers have signed up to be in our directory.
-

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Got it!



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Opening *minds* to

# ADVANCED MANUFACTURING

31

Activity Submissions

52

Active Users

24

Active Schools

GETTING STARTED

COMPETING SCHOOLS

Your Future Starts Here



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# **GOAL #2: Align education and workforce needs throughout Idaho**

## **Background Data**

- Manufacturing is the 5th largest industry in Idaho
  - Produces \$10.4 billion in products yearly
  - 18.1% of private sector GDP
  - Employs 10.2% of private sector workforce (70,000)
-

# GOAL #2: Align education and workforce needs throughout Idaho

## Background Data (cont.)

- Idaho's tech sector is the 2nd fastest growing in the nation at 6.3%.
  - STEM jobs are expected to grow 23% by 2024.
  - Over the next 6 years, that equates to 5800 new manufacturing jobs.
  - Currently, there are not enough qualified individuals to fill existing positions.
  - There are not enough prospective employees in the pipeline to fill projected openings.
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# GOAL #2: Align education and workforce needs throughout Idaho

## Why MakerMinded?

- Allows us to work with a diverse group of students/teachers on a regular basis throughout the school year.
  - Engages students in meaningful STEM/advanced manufacturing activities.
  - Incentivizes teachers and administrators to develop STEM programming
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# GOAL #2: Align education and workforce needs throughout Idaho

## Why MakerMinded?

- Gives us insight as to STEM programming throughout the state.
    - Both hotbeds of activity and underserved populations.
  - Supports College and Career legislation in local school districts.
  - Fosters partnerships between school districts and local manufacturers.
    - SWI-MA Expo
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## GOAL #2: Align education and workforce needs throughout Idaho

### INDEEDS Awards –ITC Hall of Fame (October 17<sup>th</sup>)

- **John Barenberg** – K-6 (3<sup>rd</sup> Grade-Marsing Elementary in Marsing)
- **Laura Wommack** – 7-12 (10<sup>th</sup>-12<sup>th</sup> Grade-Lakeside Jr-Sr High in Plummer)



# Computer Science Update

- Idaho is the 2<sup>nd</sup> state in the nation to check off all of Code.org's nine recommendations to move CS forward in each state!
  - Code.org and Idaho STEM AC will announce next week
  - Finalized a state plan
    - Idaho STEM Action Center's CS Website:  
<https://stem.Idaho.gov/computerscience>
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# STEM AC Foundation Update

| Fiscal Year      | Total Donations Received |
|------------------|--------------------------|
| FY2018           | \$ 139,574               |
| FY2019 (to date) | \$ 157,563               |

- **Fundraising Plan for FY2019:**
  - Increase *industry donor/partner* awareness and engagement across industries and regions
  - Increase *individual* donor engagement through Amazon Smiles and Fred Meyer Community Rewards
  - Diversity and increase *grant-sourced funding*
  - Improve the donor experience as we grow by transitioning from institutional knowledge to best-practices tracking and reporting
- **Quote for Bright Spots**
- **First Lady Otter Funding Presentation for P3**
- **Upcoming Event Opportunities:** Idaho Tech Expo, STEM Day on the Blue



# **GOAL #2: Align education and workforce needs throughout Idaho**

## **Top Donor Programs in FY19**

- **Competitions: \$86K**
  - **Educator PD: \$75K**
  - **STEM Awareness Events: \$4K**
  - **INDEEDS Award: \$10K**
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## **GOAL #2: Align education and workforce needs throughout Idaho**

**Donor Totals for FY19 = ~\$421,000**

- **Micron Technology Foundation – \$174K**
  - **Idaho National Laboratory – \$127K**
  - **Laura Cunningham Foundation – \$50K**
  - **Citizen Schools, Inc. – \$25K**
  - **Individual Donors – \$11K**
  - **Idaho Central Credit Union – \$5K**
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# Total In-Kind Donations

**FY 2019**

**\$272K**

Includes judges, mentors, industry partnerships, and media coverage





# GOAL #3: Increase awareness of STEM throughout Idaho

**Awareness Events:** Hispanic Youth Conference, SWIMA, Boise Startup Week, ITC's Hall of Fame Gala, Idaho Math and Science Teachers

**Upcoming Events:** ISBA

**Federal STEM Plan Review and Discussion**



## Media Coverage

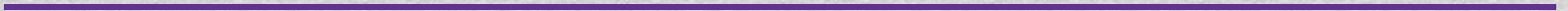
National Coffee Day, INDEEDS, Idaho's Code.org

Policy Objectives

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# Update







# Volunteer Portal



# INL Update on the Governor's Executive order on Nuclear Production and Manufacturing



Executive Order NO. 2018-07

Establishing a Policy for Nuclear Energy Production and  
Manufacturing in Idaho

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# Inspire Idaho Update from University of Idaho

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# Public Comment





# Areas You Can Support

## Messaging

- Introductions to STEM Supporters
- Mentorship Portal Recruitment



# **Upcoming Events**

## **Board Calls: December**

**Next Board Meeting:**  
**January 15, 2019**  
**1pm – 4pm**

**STEM Day at the Capitol**  
**January 23, 2019**  
**10 am – 2 pm**

