Board Meeting
October 30, 2018

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/](https://resources.stem.idaho.gov/)
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 4-6th 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. 24th Football Game
  - Dec. 22nd Basketball Game
GOAL #2: Align education and workforce needs throughout Idaho

MakerMinded Update

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

MakerMinded Update (cont.)

• Goals:
  o Sign up 50 schools/1000 users during first year of competition.
    ▪ To date we have 24 schools and 52 users.
  o Offer 50 student activities.
    ▪ Currently have 103 student activities and 11 PD options for teachers.
  o 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.
Opening minds to
ADVANCED MANUFACTURING

31 Activity Submissions
52 Active Users
24 Active Schools

GETTING STARTED  COMPETING SCHOOLS

Your Future Starts Here
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.
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
GOAL #2: Align education and workforce needs throughout Idaho

Why MakerMinded?

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

INDEEDS Awards – ITC Hall of Fame (October 17th)

- **John Barenberg** – K-6 (3rd Grade-Marsing Elementary in Marsing)
- **Laura Wommack** – 7-12 (10th-12th Grade-Lakeside Jr-Sr High in Plummer)
Computer Science Update

• Idaho is the 2\textsuperscript{nd} 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
STEM AC Foundation Update

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Total Donations Received</th>
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<tbody>
<tr>
<td>FY2018</td>
<td>$ 139,574</td>
</tr>
<tr>
<td>FY2019 (to date)</td>
<td>$ 157,563</td>
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</tbody>
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- **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
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
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
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
Inspire Idaho Update from University of Idaho
Public Comment
Areas You Can Support

**Messaging**

- Introductions to STEM Supporters
- Mentorship Portal Recruitment

[Image of a woman working on a STEM project]
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