

# Board Meeting

## March 14, 2019

### Happy Pi Day



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

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**Room WW17**

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

# Approval of January Board Minutes

- **Request for Motion to Approve Minutes**





# FY20 Budget Recommendation

## FY20 Budget Recommendation:

- \$2M for STEM – ongoing
  - \$1M for CS – one time
  - Funding for Data Analyst Funding
  - Increase spending authority by \$1M for FY19 (supplemental)
  - Gaining additional support:  
<https://legislature.idaho.gov/sessioninfo/2019/legislation/H0215/>
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# Legislated Goals of STEM AC

- **GOAL #1:** Coordinate & facilitate implementation of STEM programs throughout Idaho
- **GOAL #2:** Align STEM education and workforce needs throughout Idaho
- **GOAL #3:** Increase awareness of STEM throughout Idaho





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

- **Professional Development** – Next slide
- **Grants:** Camps & Out-of-School Programs, Family/Career STEM Events, VR4Ed, JBC, Botball



- **Competitions:** ISEF and FabSLAM
  - **Awareness Events:**
    - STEM on the Blue (May 3);
    - STEM Day at the Fair (Aug 16)
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# Professional Development Updates

- i-STEM Summer Institutes in six regions with SDE
- STEM Leadership Training with OSBE (Teacher and Admin)
- Externships
- Early STEM Education Workshops and Pilot Project
- Rural STEM Community Engagement
- Code.org PD with IDLA
- UI Dual Credit Training
- Virtual Reality PD and Resources
- Drones PD and Resources





# FabSLAM Updates!



# Idaho Science and Engineering Fair

## Updates for the 3 Regional Fairs

	2017	2018	2019 (estimates)
PROJECTS	78	118	~289
TEACHERS	14	22	~43
STUDENTS	123	169	~588
Judges (industry and post secondary in-kind)	12	24	~46





# Girls Go CyberStart

- The Girls Go CyberStart competition is a nationwide effort to encourage female high school and college students to consider cybersecurity as a profession.
- Through a series of challenges, puzzles, games, and other interactive events, girls will learn skills like computer forensics, web vulnerabilities, the Linux operating system, coding in Python. As participants work their way through the competition, the challenges get more difficult.
- To play the game, teams or individual girls can register at [www.girlsgocyberstart.org](http://www.girlsgocyberstart.org), between now and March 20<sup>th</sup> when the game officially kicks off.





## GOAL #2: Align education and workforce needs throughout Idaho, MakerMinded Update

### Goals:

- Sign up 50 schools/1000 users during year 1 of competition.
    - To date we have **44 schools** competing.
  - 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.
    - **Directory of Manufacturers** sent out to all secondary schools with 60+ manufacturers
      - Offering site tours, guest speakers, mentorships, job shadows and/or internships
      - Laurie Anderson at Micron is offering a free inservice to manufacturers to help them effectively communicate with students
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# Virtual, Project-Based, Statewide Mentorship Platform

- Focused on student projects, especially related to competitions
- Industry and higher ed support for educators whose students are working on projects that could benefit from additional outside-the-classroom support
- One of the most powerful tools for retention of students (especially females) in STEM is having a strong mentor
- Available NOW! Populated with 500 teachers and 150 mentors
- <https://mentorship.stem.idaho.gov/>





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

- Externships
- STEM School Designation Awards and Rolling Application
- INDEEDS Award nominations will open soon





# STEM AC Foundation Update

Fiscal Year	Total Foundation Donations Received
FY2018	\$ 139,574
FY2019 (to date)	\$ 295,439

## Grant Projects

Department of Ed. – Education Innovation and Research Grant

- Up to \$4 million over 4 years for CS education – focused on primary

## Support Opportunities



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

**Total Revenue for FY19 = ~\$879,000**

## **Top Donors**

- **Micron Technology Foundation – \$354K**
- **Idaho National Laboratory – \$152K**
- **Individual Donors – \$50K**
- **Laura Cunningham Foundation – \$50K**
- **Let's Save America Foundation – \$30K**
- **Citizen Schools, Inc. – \$25K**
- **Sesame Workshop – \$19K**
- **Love Abounds Foundation – \$18K**





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

## **Top Donor Programs in FY19**

- **Public-Private Partnerships: \$410K**
- **Educator PD: \$147K**
- **Competitions: \$124K**
- **STEM Awareness Events: \$29K**
- **INDEEDS Award: \$10K**



# Total In-Kind Donations

**FY 2019**

**\$3.3M**

Includes judges, mentors, industry partnerships, and media coverage

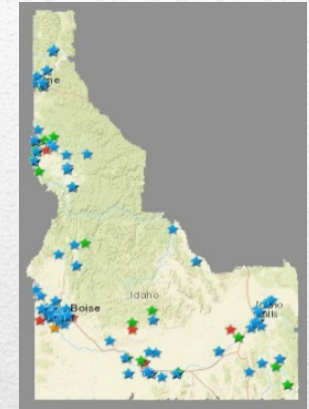




# GOAL #3: Increase awareness of STEM throughout Idaho

[Data Map Link](#)

## Updating our Data Collection Methods and Outcome Metrics



	FY16	FY17	FY18 (estimates)	FY18 (actuals)
Student Engagements	10,428	204,000	210,000	406,239
Educators Interactions	1,200	4,800	5,000	12,680
Community STEM Events	36	45	75	143
Cash	\$72,000	\$205,000	\$500,000	\$736,938
In-Kind (and cash equivalent)	Did not track	\$662,000	\$750,000	\$1,742,217

# STEM AC Strategic Plan

- Strategic Plan – Final Copy Attached; Due annually on July 1
    - Based on the legislation and where we are in year 3, do we still have the “right” goals?
  - FY18 Performance Report
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# **Satisfying Requests from Districts/Schools: Ideas?**

- Situation: How do we support the increasing interest related to our PD if we transition to a service provider model?
  - Discussion of possible solutions thus far and brainstorm/input from Board
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# Public Comment



# **Areas You Can Support**

## **Messaging**

- Introductions to STEM Supporters and Potential Partners**
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# Upcoming Events

**Western Idaho Science and Engineering Fair**

**March 15, 2019**

**4 – 6pm (public viewing and awards)**

**Doodle Polls: Board Calls in April & Strategic Planning in  
late May/Early June**

**STEM Day on the Blue**

**May 3, 2019**

**10 am – 2 pm**

**Next Board Meeting:**

**May 14, 2019**

**1pm – 4pm Room WW-17**

