

Board Meeting

August 22, 2018



IDAHO
STEM
ACTION CENTER

Room WW17

1:00 - 4:00 pm

Introduction of New Team Members

- **Sondra Chadd** - Financial and Fund Development Officer
 - **Kaitlin Maguire** – Grant Writer (and i-STEM)
 - **John McFarlane** – MakerMinded Grant Lead (also involved with STEM School Designation via Advanced Ed and OSBE STEM Leadership Development Planning Committee)
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State and National STEM Initiatives

- Governor's Executive Order on Nuclear Production and Manufacturing
- White House – American Worker's Pledge



Idaho STEM AC Statutes

- **Idaho Code 67-823:** Established the Idaho STEM Action Center
 - **Idaho Code 33-1633:** Computer Science Initiative
 - **Idaho Code 67-824:** Established the STEM Education Fund
 - **Idaho Code 33-4701:** STEM School Designation
 - **Idaho Code 33-1634:** Computer Science for All
 - **Idaho Code 33-523:** Established a STEM Diploma
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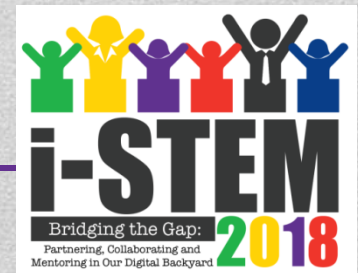
Legislation

STEM School Designation

- Team of 25 selected AdvancEd model
 - Working on agreement with AdvancED detailing badging system, use of AdvancEd program/school chart, provide schools/districts external reports, and training for on-site evaluators and support team
 - STEM AC will engage with schools with agreement and various level of attainment
 - Support will be financial and in-person
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GOAL #1: Coordinate and facilitate implementation of STEM programs throughout Idaho

- Rural Community STEM Engagement workshops
- FabSLAM Facilitator training
- i-STEM:
 - 31 strands at 6 sites with ~400 educators
- Elementary drone trainings
- Educurious STEM Leadership Training (OSBE)
- Junior Botball Challenge



GOAL #2: Align education and workforce needs throughout Idaho

- **MakerMinded (\$90k)– Online STEM Competition**
 - **Making Spaces (\$30k) – Making in Schools**
 - **FamLAB Sparks Grant (\$25k) – Early STEM Initiative**
 - **Laura Moore Cunningham Foundation (\$50k) – FIRST Robotics**
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GOAL #2: Align education and workforce needs throughout Idaho

- **MakerMinded Update**
 - **An advanced manufacturing (and making) learning platform**
 - **Goal is to:**
 - Give students foundational skills in advanced manufacturing
 - Inspire the next generation of innovators and makers
 - **Statewide competition between schools for students in grades 5-12**
 - Earn points by successfully completing STEM activities
 - Winning schools will receive awards (TBD)
 - **Allow the STEM Action Center to help schools throughout the state showcase and bolster their STEM activities and build partnerships with local manufacturers**
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GOAL #2: Align education and workforce needs throughout Idaho

STEM AC Foundation Update

- ~\$300k since Fall 2017
- Grant Writing and Fundraising Position
- Amazon Smiles and Fred Meyer Community Rewards
- Donation button



GOAL #2: Align education and workforce needs throughout Idaho

Donor Totals for FY18 = \$736,938

- **INL - \$261K**
 - **Micron - \$166k**
 - **SDE i-STEM Support – \$58K**
 - **Andeavor - \$25K**
 - **ICfL – \$23K**
 - **Dutch Brothers - \$23K**
 - **INDEEDS Sponsorship – \$11K**
 - **Cable One - \$10K**
 - **Trailers Plus - \$10K**
 - **Power Engineers - \$5K**
 - **Individual Donors (27) - \$13K**
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GOAL #2: Align education and workforce needs throughout Idaho

Top Donor Programs in FY18

- **Educator PD: \$267K**
 - **Competitions: \$92K**
 - **Camp Scholarships and Support: \$67K**
 - **STEM Awareness Events: \$56K**
 - **INDEEDS Award: \$11K**
 - **Educator Resource Support: \$10K**
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Total In-Kind Donations

Over \$1.7M in FY18

Includes judges, mentors, industry partnerships,
and media coverage



GOAL #2: Align education and workforce needs throughout Idaho

Donor Totals for FY19 = ~\$307,000

- **Micron Technology Foundation – \$172K**
 - **Idaho National Laboratory – \$55K**
 - **Laura Cunningham Foundation – \$50K**
 - **Citizen Schools, Inc. – \$25K**
 - **United Way of North Idaho, Inc. – \$2.5K**
 - **Idaho Power Company – \$1.5K**
 - **Discovery Center of Idaho – \$1K**
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GOAL #3: Increase awareness of STEM throughout Idaho

Awareness Events: P20 Conference Maker Room, IAEEYC Development Days, Involta Open House, IASA; STEM Day at the Fair

Upcoming Events: ION Power Up Maker Room, Science & Math Conference, Hispanic Youth Conference



Extensive Media Coverage

for ISEF, Angela's North Idaho tour, STEM Day at Fair and coming soon...INDEEDS

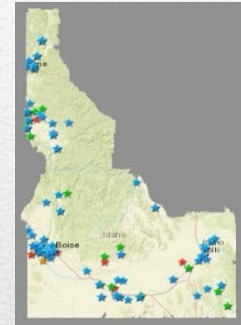


GOAL #3: Increase awareness of STEM throughout Idaho

[Data Map Link](#)

**Updating our Data Collection
Methods and Outcome Metrics**

HANDOUT: Performance Report Draft



	FY16	FY17	FY18 (estimates)	FY18 (actuals)
Student Engagements	10,428	204,000	210,000+	~400,000
Educators Interactions	1,200	4,800	5,000	~13,000
Community STEM Events	36	45	75	143
Cash	\$72,000	\$205,000	\$500,000	~\$750,000
In-Kind (and cash equivalent)	Did not track	\$662,000	\$750,000	\$1,100,000

Family STEM Awareness Events

Students

- 36% increase in awareness of STEM careers
- 83% want to study STEM in post-secondary
- 95% say STEM is fun!

Parents

- 92% believe their community should invest more in STEM
- 99% would like their child to pursue a STEM career
- 98% want their child to have access to a mentor



Required Documents STEM AC: FY18 Performance Report and Strategic Plan

- FY18 Performance Report – Due September 1
- Strategic Plan – Final Copy Attached



Analysis by Project – FY17 and FY18

BY PROJECT			
	FY17 – Proposed (May 2016)	FY17 –Actual (May 2017)	FY18 – Proposed (May 2017)
Grants	27.50%	25%	28%
PD	24.60%	24%	23%
Scholarships	16.35%	11%	12%
Competitions	9.17%	7%	8%
Mentorship	7.82%	5%	5%
Marketing, Promotion, and Conference Presentations	8.17%	4%	4%
Operating Expenses	2.93%	9%	11%
Pilot Projects	3.45%	15%	8%

Analysis by Project – FY18 and FY19

BY PROJECT				
	FY18 –Proposed (Aug 2017)	FY18 –Actual (June 2018)	FY19 – Proposed (Aug 2018)	
Grants	28%	20%	16%	
PD	23%	27%	28%	
Sponsorships (Competitions, Events, P3 and Sponsorships, Mentorship, Scholarships, workforce programs, STEM schools, pilot projects)	33%	39%	39%	
Marketing, Promotion, and Conference Presentations	4%	2%	5%	
Operating Expenses	11%	12%	12%	

Legislation for 2019 Session

Due to Transition, only ‘mission critical’ legislation should be submitted

- August 17 – submit proposed legislation



FY20 Budget Request

FY20 Budget Request Due September 1:

- \$2M for STEM
 - \$2M for CS – request ongoing
 - Request funding for Data Analyst
 - Increase spending authority by \$1M (supplemental and ongoing)
 - Foundation Director Request?
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Support Needed To Create Additional Public-Private Partnerships

- Please continue to introduce us to individuals, businesses or companies who can support our mission
 - New P3 (Public-Private Partnership Sponsorship Application)
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Public Comment



Areas You Can Support

Messaging

- Introductions to STEM Supporters
 - Mentorship Portal Recruitment
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Governor's Summit on the Age of Agility

- When: September 11, 2018
 - Where: Simplot Auditorium next to JUMP
 - Time: 8:00 am – 5:00 pm; Registration begins at 7 am.
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Other Upcoming Events

**Next Board Meeting:
October 30, 1:00 – 4:00 pm**
