

Board Meeting

May 4, 2018



IDAHO
STEM
ACTION CENTER

Room WW17

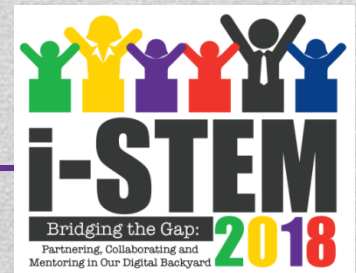
1:00 - 4:00 pm

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

- Idaho Science & Engineering Fairs 2018
 - 118 projects and 170 students
 - Total projects increased by 46% with a 30% increase in the number of students from 2017
 - 4 FIRST Teams competed at Worlds, placing as high as 8th
 - Advanced & elementary drone trainings!
 - Dual Credit – UI, ISU
 - Making Sense of Science-Matter & Earth Systems PD
 - ASSET-Engineering Design PD
 - Early STEM PD Workshop
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GOAL #1: Coordinate and facilitate implementation of STEM programs throughout Idaho

- Rural Community STEM Engagement pilot
- Summer STEM grant
- Educurious
- C-STEM
- VR4Ed
- IDoCode - BSU, UI, ISU
- CS Co-Op – UI
- Junior Botball Challenge
- i-STEM:
 - 31 strands at 6 sites with ~400 educators
- Large-scale MOAs with NIC and BSU
- Sponsorships



GOAL #2: Align education and workforce needs throughout Idaho

- Project-Based Virtual Mentorship Platform Update
 - Over 60 mentors and 50 teachers have signed up
 - New easier registration
 - US2020 Grant Update – Attending City Network Spring Convening in May (San Francisco) for winners announcements
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Legislation

STEM School Designation

- Team of 25 selected AdvancEd model
 - Working to craft MOU with AdvancED detailing scoring rubric 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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FY19 Legislation

Idaho

Bill HO648

- Passed both House Ed and Senate Ed committees unanimously
 - Signed by Governor Otter on March 23, 2018
 - Every HS will offer a computer science courses during school hours (either in person or online) by 2020
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FY19 Legislation

National

Supporting Effective Educator Development (SEED) program

- The SEED program provides funding to increase the number of highly effective educators by supporting the implementation of Evidence-Based practices that prepare, develop, or enhance the skills of educators.
 - Estimated 5-8 grants of \$1,000,000-\$6,000,000 per project year are to be awarded.
 - “STEM with a particular focus on computer science.”
 - Institutions of Higher Education and national non-profits may apply, though other project partners and sub grantees are allowed and may include non-profits with a local or regional reach, public entities, and private entities suitable to carry out the activities proposed in the application.
 - Open March 21 - May 17, 2018
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FY19 Legislation

National

Department of Ed announced its Education Innovation and Research (EIR) grant

- This is the second program which supports the Administration's policy of dedicating \$200 million to STEM and CS within Ed
 - Primarily designed to fund innovations to improve student achievement and attainment for high-need students, with a strong evaluation component.
 - One of the two absolute priorities is “Promoting Science, Technology, Engineering, or Math (STEM) education, with a particular focus on CS.”
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GOAL #2: Align education and workforce needs throughout Idaho

STEM AC Foundation Update

- Idaho Gives Update
- Awaiting 501c3/nonprofit approval by IRS; slight delay-expected by April
- Excited to announce results of US2020 grant on May 18th 😊
- Difficulties in hiring “Foundation Director” as a Contractor and potential solutions



GOAL #2: Align education and workforce needs throughout Idaho

Donor Totals as of May 1, 2018 (\$660K)

- **INL - \$261K thus far**
 - **Micron - \$166k**
 - **SDE i-STEM Support – \$58K**
 - **Andeavor - \$25K**
 - **ICfL – \$23K**
 - **Dutch Brothers - \$23K**
 - **Cable One - \$10K**
 - **INDEEDS Sponsorship – \$10K**
 - **Trailers Plus - \$10K**
 - **Power Engineers - \$2K**
 - **Individual Donors (27) - \$12K**
 - **In talks with Simplot, Clearwater, Verizon, Fluor, and Switzer**
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GOAL #2: Align education and workforce needs throughout Idaho

Top 6 Programs Donors are Choosing

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

Over \$1.23m as of May 1 (10 months)

Includes judges, mentors, industry partnerships,
and media coverage



GOAL #2: Align education and workforce needs throughout Idaho

ACTIONS Requested

Summer PD Opportunities

- **ACTION:** Help us share information with potential participants!!

Stem.Idaho.gov/grants

GOAL #3: Increase awareness of STEM throughout Idaho

Awareness Events: Junior Botball Challenge Day and SDE Conference
Maker Room

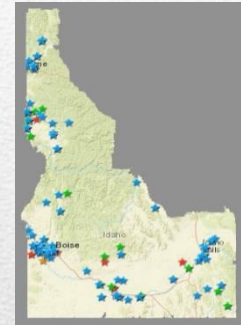


Extensive Media Coverage
for Advanced Drones and featured in
Idaho Living and Boise Weekly

GOAL #3: Increase awareness of STEM throughout Idaho

[Data Map Link](#)

Updating our Data Collection Methods and Outcome Metrics



Other Performance Numbers to Be Updated

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

INL – Amy Lientz

**Presentation on Leveraging Report and Board
Discussion regarding other ways to leverage
this report**



Micron Foundation – Kami Faylor

Presentation on New *Micron Gives Platform*



STEM Summit Update

- Goal: Provide Guidance to OSBE and STEM AC regarding STEM education, needs and assets
 - Morning keynote and panel
 - Afternoon regionalized breakouts and possible funding to support localized efforts
 - Please register here:
<https://www.eventbrite.com/e/2018-idaho-stem-summit-tickets-45038103179>
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Support Needed To Update Strategic Plan

- Due July 1, 2018
 - GOAL #1: Coordinate and facilitate implementation of STEM programs throughout Idaho
 - GOAL #2: Align education and workforce needs throughout Idaho
 - GOAL #3: Increase awareness of STEM throughout Idaho
 - Optional Meeting to discuss objectives and performance metrics on June 6 from 9-11am
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Support Needed To Create Additional Public-Private Partnerships

- Please introduce us to individuals, businesses or companies who can support our mission
 - New P3 (Public-Private Partnership Sponsorship Application)
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Legislation for 2019 Session

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

- July 13 – submit ideas
- August 17 – submit proposed legislation



FY20 Budget Request

FY20 Budget Request Due September 1:

- \$2M for STEM
 - \$2M for CS
 - Request funding for Data Analyst
 - Foundation Director Request?
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Public Comment



Areas You Can Support

Messaging

- Summer PD Opportunities
 - Mentorship Portal Recruitment
 - Introductions to STEM Supporters
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Upcoming Events

STEM Summit: June 5, 9am-4pm, BSU

Strategic Planning: June 6, 9-11am, Hoff
Building

Next Board Meetings:

August 22, 1:00 – 4:00 pm

October 30, 1:00 – 4:00 pm
