Board Meeting
March 12, 2018

Room WW17
1:00 - 4:00 pm
GOAL #1: Coordinate and facilitate implementation of STEM programs throughout Idaho

- Idaho Science & Engineering Fairs
  - Over 300 students & 230 projects!
- Camp Grant round 2 - over $258K requested
- Ready Set Drones!
- Dual Credit – UI, ISU

- Making Sense of Science- Matter & Earth Systems PD
- ASSET-Engineering Design
- Early STEM PD Workshop
GOAL #1: Coordinate and facilitate implementation of STEM programs throughout Idaho

- Rural Community STEM Engagement pilot
- Educurious
- C-STEM
- VR4Ed
- IDoCode - BSU, UI, ISU
- CS Co-Op – UI
- Junior Botball Challenge
- i-STEM: 37 strands; 6 sites
- Sponsorship include INL & SDE Idaho Power. Application Open NOW!
GOAL #2: Align education and workforce needs throughout Idaho

• Project-Based Virtual Mentorship Platform Update
• US2020 Grant Update
• CS High School Opportunities (See Handout); related to CS for All legislation
FY19 Legislation – On the Docket TODAY!

CS for All

• See Handouts (Legislation, Supporting Documents)
• Requires schools serving grades 9 – 12 to offer computer science by 2020
• This can be done traditionally, online, or hybrid
GOAL #2: Align education and workforce needs throughout Idaho

STEM AC Foundation Update

- Processed over 100K public-private partnership grants from INL
- Foundation Board meeting held
  - Approved Foundation Positions and Key Priority Indicators
- Awaiting 501c3/nonprofit approval by IRS; slight delay-expected by April
- Gave first presentation on STEM AC and STEM AC Foundation
- Excited to announce results of US2020 grant in May 😊
GOAL #2: Align education and workforce needs throughout Idaho

Donor Totals as of March 9, 2018
($650K)

- INL - $261K thus far
- Micron - $166k
- SDE i-STEM Support – $58K
- Andeavor - $25K
- ICfL – $23K
- Dutch Brothers - $23K
- INDEEDS Sponsorship – $10K
- Cable One - $10K
- Trailers Plus - $10K
- Power Engineers - $2K
- Individual Donors (22) - $10K
- In talks with Simplot, Clearwater, Verizon, Fluor, and Switzer
GOAL #2: Align education and workforce needs throughout Idaho

Top 6 Programs Donors are Choosing

- Educator PD: $263K
- Competitions: $92K
- Camp Scholarships and Support: $67K
- STEM Awareness Events: $56K
- Educator Resource Support: $10K
- INDEEDS: $10K
Total In-Kind Donations

Over $1.141m as of March 1 (8 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](http://Stem.Idaho.gov)

Handout: Mentorship Portal

• **ACTION**: Help us recruit mentors & educators (handouts)
GOAL #3: Increase awareness of STEM throughout Idaho

Awareness Events: BSU Engineering & Science Festival – MoonShot build!

Extensive Media Coverage for FabSLAM and ISEF
GOAL #3: Increase awareness of STEM throughout Idaho

Impact data map available:
- Map contains funding opportunities and legislative districts for all funded opportunities

**Other Impact Number**

<table>
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<th>FY16</th>
<th>FY17</th>
<th>FY18 (estimates)</th>
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<td>Student Engagements</td>
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<td>Educators</td>
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<td>Community STEM Events</td>
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<td>In-Kind (as cash equivalent)</td>
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Support Needed To Update Strategic Plan

• Due July 1, 2018

• Discussion: STEM and CS – split or lump?
STEM Summit and/or Governor’s Summit

• NGA Workforce Development Grant requires a Governor’s Summit on Workforce Development

• The State Board would like to see a STEM Summit in 2018

• Discussion: Make an effort to combine the two events?

• Pros/Cons Discussion
# JFAC Appropriation for STEM AC’s FY19 Budget

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FY19 Budget Recommendation  = $4.7M

FY19 Budget Request:

- $2M for STEM – ongoing
- $2M for CS – one time into STEM Ed Fund over which we have $2M in spending authority
- Two Additional FT Staff Members Requested and Recommended
  - The Fiscal Officer was approved and funded
  - The Data Analyst was approved, but not funded
Legislation

STEM School Designation

• 2nd Meeting at OSBE on January 30, draft rubric selected for implementation
• 3rd Meeting scheduled for April 4
  • Finalize scoring rubric/guide and agreements
  • Determine implementation timeline for applications and awards
FY19 Legislation – Passed

**STEM AC Board**
- Creates staggered terms and clarifies advisory role
- Passed with strong bipartisan support and awaits Governor’s signature

**Science Standards Support**
- Passed with both the performance standards and supporting content
Updated Data from IDOL

In 2017, 6,000 STEM JOBS WERE UNFILLED IN IDAHO, resulting in nearly $355 Million of unclaimed personal income.

If these STEM JOBS were filled, state tax revenues would INCREASE BY OVER $20 MILLION.

Idaho’s STEM jobs PAY WELL DOUBLE THE MEDIAN WAGE of non-STEM JOBS.
Innovation Collective

Presentation Regarding a Proposal Related to Ten Cities Model
Public Comment
Areas You Can Support

Messaging
- Summer PD Opportunities

- Mentorship Portal Recruitment
Upcoming Events

WISEF: BSU SUB - March 16th

FIRST Robotics: BSU Taco Bell Arena -
March 29 - 31

Next Board Meetings:
May 4 and August 22, 1:00 - 4:00 pm

We are going e-docs in May!