Board Meeting
August 8, 2019
Room WW17
1:00 - 4:00 pm
Idaho STEM AC Statutes

- Idaho Code 67-823: Established the Idaho STEM Action Center
- Idaho Code 33-1633: Computer Science Initiative
- Idaho Code 33-4701: STEM School Designation
- Idaho Code 33-1634: Computer Science for All
- Idaho Code 33-523: Established a STEM Diploma
Required Documents STEM AC: FY19 Performance Report and Strategic Plan

• Strategic Plan – Final Copy Attached

• FY19 Performance Report – Due September 1
Updated Mission and Vision

• **MISSION**: Engineering innovative opportunities for educators, students, communities, and industry to build a competitive Idaho workforce and economy through STEM and computer science education

• **VISION**: A diverse, equitable, thriving ecosystem for a prosperous, STEM-literate Idaho
Updated Goals

• **GOAL 1:** Advance equitable access to high-quality STEM+CS opportunities for educators, students, and communities

• **GOAL 2:** Align STEM education with workforce needs throughout Idaho

• **GOAL 3:** Increase awareness of the importance of STEM throughout Idaho
### GOAL 3: Increase awareness of STEM throughout Idaho

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

<table>
<thead>
<tr>
<th></th>
<th>FY16</th>
<th>FY17</th>
<th>FY18</th>
<th>FY19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Engagements</td>
<td>10,428</td>
<td>204,000</td>
<td>406,239</td>
<td>442,318</td>
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<tr>
<td>Educators Interactions</td>
<td>1,200</td>
<td>4,800</td>
<td>12,633</td>
<td>35,768</td>
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<tr>
<td>Community STEM Events</td>
<td>45</td>
<td>140</td>
<td>143</td>
<td>288</td>
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<tr>
<td>Cash</td>
<td>$72,000</td>
<td>$205,000</td>
<td>$750,500</td>
<td>$1,346,800</td>
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<tr>
<td>In-Kind (and cash equivalent)</td>
<td>Did not track</td>
<td>$662,000</td>
<td>$1,787,400</td>
<td>$4,446,500</td>
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Data Map Link
GOAL 1: Advance equitable access to high-quality STEM+CS opportunities for educators, students, and communities

- i-STEM with SDE, H&W
- + industry sponsors: 34 strands at 6 sites with 400 educators
- Externships with WDC
- Elementary Drone PD
- VR4Ed PD
- Educurious Educator PD
- STEM Leadership Training with OSBE
- Competitions
  - Junior Botball Challenge PD
  - eCYBERMISSION Program PD
  - MakerMinded
  - ISEF
GOAL 2: Align STEM education with workforce needs throughout Idaho: GRANTS

- Army Education Outreach Program (AEOP) Grant for eCYBERMISSION program - $50,000
- US2020 Coalition - $25,000
- Multiple other grants submitted and/or in progress: Laura Moore Cunningham, computational thinking grant, WDC, Best Buy, Pacific Union, and other smaller grants
GOAL 2: Align STEM education and workforce needs throughout Idaho

STEM AC Foundation Update

- $482,983.40 raised in FY19
- Added two new board members
- Updated webpage – Support Us!
- Amazon Smiles, Fred Meyer Community Rewards, Boise Co-Op Program
GOAL 2: Align STEM education and workforce needs throughout Idaho

Donor Totals for FY19 = $1,340,500

Top Donors in FY 2019

- Micron Technology Foundation – $357,000
- Idaho National Laboratory – $197,000
- Individual donors – $59,000
- Laura Cunningham Foundation – $50,000
- Let’s Save America Foundation – $30,000
- ALMMII – $44,000
- Citizen Schools – $25,000
GOAL 2: Align STEM education and workforce needs throughout Idaho

Top Donor Programs in FY19

- Public-Private Partnerships – $544,000
- Educator PD – $370,000
  - i-STEM – $103,000
  - INDEEDS Award – $17,000
- Competitions – $213,000
Total In-Kind Donations

$4,446,500 in FY19

Includes judges, mentors, industry partnerships, and earned media coverage
GOAL 2: Align STEM education and workforce needs throughout Idaho

Donor Totals for FY20 = $266,100

- Idaho National Laboratory – $111,000
- Micron Technology Foundation – $53,000
- JR Simplot Company Foundation – $50,000
- Power Foundation – $20,000
- Chobani – $5,000
- City of Boise – $5,000
- VYNYL – $5,000
GOAL 3: Increase awareness of the importance of STEM throughout Idaho


Extensive Media Coverage: i-STEM and Externships! Upcoming coverage: STEM Day at Fair and this fall…INDEEDS
Family STEM Awareness Events

Students
- 27% increase in awareness of STEM careers
- Over half want to study STEM in post-secondary
- Vast majority say STEM is fun!

Parents
- 95% believe their community should invest more in STEM
- 86% want their child to spend more time focusing on STEM
- 24% more likely to support STEM programs outside of school after attending an event
Idaho Code 33-4701
STEM School Designation – Cohort 2

• Anticipate 2-4 additional schools being designated during the 2019-2020 school year
  - With continued support for the 4 designated during SY18-19
• Support is being provided by STEM AC, OSBE, and AdvancEd
• Financial support provided by STEM AC, currently seeking external industry donors for matching funds
## Analysis by Project – FY19 and FY20

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<tbody>
<tr>
<td>Grants</td>
<td>16%</td>
<td>12%</td>
<td>7%</td>
</tr>
<tr>
<td>PD</td>
<td>28%</td>
<td>26%</td>
<td>27%</td>
</tr>
<tr>
<td>Sponsorships (Competitions, Events, P3 and Sponsorships, Mentorship, Scholarships, workforce programs, STEM schools, pilot projects)</td>
<td>39%</td>
<td>42%</td>
<td>45%</td>
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<tr>
<td>Outreach/Awareness Activities</td>
<td>5%</td>
<td>5%</td>
<td>11%</td>
</tr>
<tr>
<td>Operating Expenses (office + software, contractors, travel, memberships)</td>
<td>12%</td>
<td>14%</td>
<td>9%</td>
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Programs Cut Due to $1M Reduction in FY20 Appropriation for CS Initiative

*Elimination: Device Grant, HOC and Summer Week of Making Grants; Rural STEM and Career Grant

*Reduction: ISEF Classroom Funding, Competition Travel, Sponsorships reduced by ~50% including external competitions, Camp Grants and PK12 award amount reduced
**FY20 Appropriation**

$4,695,800*

- **$1 million One-Time**
  - ($33-1633)

- **$2,006,200**
  - Spending Authority

- **$2,589,600**
  - General Fund

- ~$2.08M Ongoing
  - (§67-823)

- Personnel Cost
  - $507,400

*Includes $100,000 in miscellaneous spending authority*
FY21 Budget Request

Due September 1:

General Fund
- Have secured $2.6M for STEM AC Team and Idaho Code 67-823
- $1M ongoing for Computer Science Initiative

STEM Education Fund
- $1M one-time for Computer Science Initiative
- $1M ongoing spending authority (Total of $2M)
- $1M supplemental spending authority for FY20

Due September 1:
Legislation for 2020 Session

- Currently NO proposed legislation
- Ideas/Needs from the Board?
STEM Ecosystem Application and Statewide Partners

- White House STEM Strategic Plan
- STEM Vision 2026
- STEM Ecosystem Application and Partnerships
Support Needed To Cultivate Additional Public-Private Partnerships

• Please continue to introduce us to individuals, businesses or companies that have a common mission/vision for STEM education

• Public-Private Partnership Application is open
Public Comment
Areas You Can Support

**Messaging**

- Introductions to STEM Supporters
- Volunteer Recruitment via Volunteer Hub
Governor’s Summit on the Age of Agility – Lead by WDC and IBE

- When: September 11, 2019
- Where: Boise Centre
- Time: 8:00 am – 5:00 pm
Other Upcoming Events
AUGUST 16:
STEM Day at the Western Idaho Fair

Next Board Meeting:
November 5, 9:30am – 3:30pm at Chobani in Twin Falls

January 15, 2020
STEM Matters