Board Meeting
August 22, 2018

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)
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
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
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
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
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
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
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
GOAL #3: Increase awareness of STEM throughout Idaho

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

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

## Updating our Data Collection Methods and Outcome Metrics

**HANDOUT: Performance Report Draft**

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

<table>
<thead>
<tr>
<th>BY PROJECT</th>
<th>FY17 – Proposed (May 2016)</th>
<th>FY17 – Actual (May 2017)</th>
<th>FY18 – Proposed (May 2017)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grants</td>
<td>27.50%</td>
<td>25%</td>
<td>28%</td>
</tr>
<tr>
<td>PD</td>
<td>24.60%</td>
<td>24%</td>
<td>23%</td>
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<tr>
<td>Scholarships</td>
<td>16.35%</td>
<td>11%</td>
<td>12%</td>
</tr>
<tr>
<td>Competitions</td>
<td>9.17%</td>
<td>7%</td>
<td>8%</td>
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<tr>
<td>Mentorship</td>
<td>7.82%</td>
<td>5%</td>
<td>5%</td>
</tr>
<tr>
<td>Marketing, Promotion, and Conference Presentations</td>
<td>8.17%</td>
<td>4%</td>
<td>4%</td>
</tr>
<tr>
<td>Operating Expenses</td>
<td>2.93%</td>
<td>9%</td>
<td>11%</td>
</tr>
<tr>
<td>Pilot Projects</td>
<td>3.45%</td>
<td>15%</td>
<td>8%</td>
</tr>
</tbody>
</table>
## Analysis by Project – FY18 and FY19

<table>
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<tbody>
<tr>
<td>Grants</td>
<td>28%</td>
<td>20%</td>
<td>16%</td>
</tr>
<tr>
<td>PD</td>
<td>23%</td>
<td>27%</td>
<td>28%</td>
</tr>
<tr>
<td>Sponsorships (Competitions, Events, P3 and Sponsorships, Mentorship, Scholarships, workforce programs, STEM schools, pilot projects)</td>
<td>33%</td>
<td>39%</td>
<td>39%</td>
</tr>
<tr>
<td>Marketing, Promotion, and Conference Presentations</td>
<td>4%</td>
<td>2%</td>
<td>5%</td>
</tr>
<tr>
<td>Operating Expenses</td>
<td>11%</td>
<td>12%</td>
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</tr>
</tbody>
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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?
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)
Public Comment
Areas You Can Support

**Messaging**
- Introductions to STEM Supporters
- Mentorship Portal Recruitment
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.
Other Upcoming Events

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