Board Meeting
January 9, 2018
Room WW17
1:00 - 4:00 pm
GOAL #1: Coordinate and facilitate implementation of STEM programs throughout Idaho

- Idaho Science and Engineering Fairs
  - Over 300 students and nearly 225 projects!

- Higher Education Pilot Projects
  - BSU - Early STEM best practices, video library, preservice teacher preparation
  - NIC/UI/LCSC - Preservice teacher preparation through makerspaces and hands-on learning

- PD Initiative Year 2
  - All four opportunities will be offered, expanding impact throughout Idaho
  - Considering another grant round focusing on CS
GOAL #2: Align education and workforce needs throughout Idaho

- Foundation Updates
- Project-Based Virtual Mentorship Platform Update: US2020 Grant received + expanding awareness and increasing accounts

- CS Co-Op and UI
- Expansion of CS Endorsement
- Expansion of dual credit CS
STEM AC Foundation Update

• Received two grants for professional services
• Received 2 grants for ISEF: Power Engineers ($2k), Andeavor ($25k)
• Ran end-of-year donation campaign Dec ‘18
• Awaiting 501c3/nonprofit approval by IRS; expected end of Jan ‘18
• 2nd Board meeting to approve Board level policies on Jan 9, 2018; will begin recruiting additional Board members February ‘18
• Gave first presentation on STEM AC and STEM AC Foundation
GOAL #2: Align education and workforce needs throughout Idaho

Donors – Anticipated Total by Feb. 2018 ($600K)

- INL - $170K with additional $63K in discussion
- Micron - $213K in process
- Andeavor (formerly Tesoro) - $25K in process
- ICfL – $23K
- Dutch Brothers - $23K
- Cable One - $10K
- INDEEDS Sponsorship – 10K
- Dept. of Ed i-STEM Support – 58K
- 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

Programs Donors are Choosing

• **Educator PD**: $263K
• **Competitions**: 2K + $75K commitments (INL, Micron, and Andeavor)
• **Camp Scholarships and Support**: $45K
• **INDEEDS**: $10K
• **Family STEM Events**: 1K + $10K commitments (Cable One)
In-Kind Total

- Almost $741K as of Jan. 8, 2018 (6 months)
- In the areas of judges, mentors, industry partnerships, and media coverage
GOAL #2: Align education and workforce needs throughout Idaho – ACTIONS Revisited

Handout: ISEF Sponsorship
- **ACTION**: Help us share information with potential sponsors and judges

Handout: Mentorship Portal (draft)
- **ACTION**: Help us recruit mentors
GOAL #3: Increase awareness of STEM throughout Idaho

- **Awareness Events**: IETA & Prevention Conference Maker Rooms, CCSSO presentation, national conference presentations on CS and STEM
- **Six-figure Grant Applications** – INCLUDES, NGA, US2020, iTEST
- **Media Coverage** for Family STEM/Career awareness to be awarded this month
- **STEM Matters Day at the Capitol**, Tuesday, January 23rd from 11 to 3
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>
<thead>
<tr>
<th></th>
<th>FY16</th>
<th>FY17</th>
<th>FY18 (estimates)</th>
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<td>Student Engagements</td>
<td>10,428</td>
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<td>210,000+</td>
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<td>Educators</td>
<td>1,200</td>
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<td>Community STEM Events</td>
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<td>equivalent)</td>
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Data Map Link
GOAL #3: Increase awareness of STEM throughout Idaho

Other Awareness Highlights:

• 36% increased awareness of STEM careers after events
• 20% more likely to want to pursue STEM after events
• 98% of parents want their child to have a STEM mentor
ESSA, STEM, and SDE Partnership

• ESSA puts a greater emphasis on ensuring a well-rounded education and ensuring equity.

• ESSA recognizes that:
  • High-quality STEM education opportunities are essential to achieving both these goals.
  • STEM learning opportunities and support for STEM teachers is very important.
  • States need flexibility to set new policy and funding priorities, and they can do that to support STEM learning.
ESSA and STEM

ESSA Title IV funding can be used for STEM programs including:

- Supporting high quality professional development in STEM
- Expanding high quality STEM coursework
- Increasing access to STEM for underserved and at-risk populations
- Supporting student participation in non-profit STEM competitions
- Providing hands-on learning opportunities in STEM
- Integrating other academic subjects into STEM, including the arts
- Creating or enhancing STEM-specialty schools
- Integrating classroom-based, afterschool, and informal STEM instruction
- Expanding environmental education
Legislation

STEM School Designation

• Follow Up Meeting at OSBE on January 30
• Goal is to generate a scoring rubric/guide for Idaho schools if they opt into this process
• STEM AC will then draft an application to be released in April – May with designations determine (by selection committee) for 2018 – 2019
FY19 Legislation

STEM Advisory Board Clarification

• See Handout
• Clarifies stagger terms
• Clarifies the importance of the Board and its role in advising STEM AC

Science Standards Support

• STEM AC will continue to advocate for the adoption of the new Idaho Science Standards
Support Needed During FY18 Legislative Session

• Handout: FY17 Deferred Spending for FY18
  • **ACTION**: Support may be needed to explain deferred spending

• Handout: Draft Talking Points for Feedback
  • **ACTION**: Please provide feedback today during meeting or by this Friday

• Handout: Draft Budget Diagram and Facts Sheet
  • To be added to Board materials on Monday or Tuesday
FY19 Budget Request = $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 – Data and Outcomes Research Analyst and Financial Officer
Governor’s Recommendations for STEM AC’s FY19 Budget –

= Same cash as FY17 & FY18

= Plus two additional team members

### Agency Expenditure Summary

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Governor’s Recommendations for STEM AC’s FY19 Budget – A Historic View
STEM Matters Day at the Capitol

Tuesday, January 23, 11am-3pm

• Are you able to attend?
Public Comment
Areas You Can Support

**Messaging**
- ISEF Sponsorship
- Mentorship Portal
- FY17 Deferred Spending
- Talking Points Input and Impact Map
- STEM Matters, January 23rd
Upcoming Events

**JFAC**: January 17, 8am

**STEM Matters**: January 23, 11am–3pm

**ISEF**: BSU-Mar 16; NIC-Mar 2; ISU-Mar 9

**FabSLAM Student Showcases**: Boise-Feb 24, Lewiston-Mar 3, Pocatello-Mar 10

**Next Board Meeting**: March 12, 1:00 - 4:00 pm