

# Board Meeting

## January 9, 2018



**IDAHO**  
**STEM**  
ACTION CENTER

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**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
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## 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
- 2<sup>nd</sup> 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**
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# **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)
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# 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



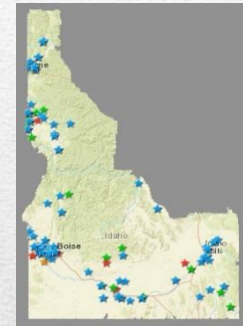
- **Media Coverage** for Family STEM/Career awareness to be awarded this month
- **STEM Matters Day at the Capitol**, Tuesday, January 23<sup>rd</sup> from 11 to 3

# GOAL #3: Increase awareness of STEM throughout Idaho

## Impact data map available:

- Map contains funding opportunities and legislative districts for all funded opportunities

[Data Map Link](#)



## Other Impact Number

	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

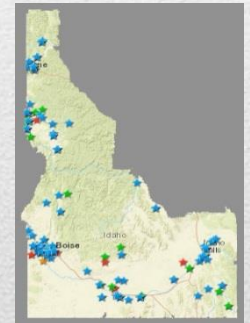


# GOAL #3: Increase awareness of STEM throughout Idaho

## 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

[Data Map Link](#)



# 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.
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# 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
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# 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
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# 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
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# 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

	<u>FY 2017</u>		<u>FY 2018</u>		<u>FY 2019</u>	
	<u>Approp</u>	<u>Actual</u>	<u>Approp</u>	<u>Estimate</u>	<u>Request</u>	<u>Gov Rec</u>
<b>By Function</b>						
STEM	4,520,700	3,624,300	6,589,800	6,589,800	6,758,200	4,754,700
<b>Total</b>	<b>4,520,700</b>	<b>3,624,300</b>	<b>6,589,800</b>	<b>6,589,800</b>	<b>6,758,200</b>	<b>4,754,700</b>
<b>By Fund Source</b>						
General	2,420,700	2,420,100	4,489,500	4,489,500	4,657,500	2,654,000
Dedicated	2,000,000	1,181,800	2,000,300	2,000,300	2,000,700	2,000,700
Other	100,000	22,400	100,000	100,000	100,000	100,000
<b>Total</b>	<b>4,520,700</b>	<b>3,624,300</b>	<b>6,589,800</b>	<b>6,589,800</b>	<b>6,758,200</b>	<b>4,754,700</b>
<b>By Object</b>						
Personnel Costs	329,700	329,300	395,300	395,300	552,300	563,800
Operating Expenditures	4,187,000	3,266,500	4,189,900	4,189,900	4,195,300	4,180,300
Capital Outlay	4,000	28,500	4,600	4,600	10,600	10,600
Trustee/Benefit Payments	0	0	2,000,000	2,000,000	2,000,000	0
Lump Sum	0	0	0	0	0	0
<b>Total</b>	<b>4,520,700</b>	<b>3,624,300</b>	<b>6,589,800</b>	<b>6,589,800</b>	<b>6,758,200</b>	<b>4,754,700</b>
<b>FTP Positions</b>	<b>3.00</b>	<b>3.00</b>	<b>4.00</b>	<b>4.00</b>	<b>6.00</b>	<b>6.00</b>



# Governor's Recommendations for STEM AC's FY19 Budget – A Historic View

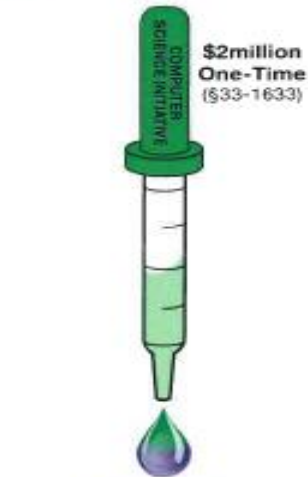


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## FY17 GENERAL FUND

**\$4,420,700**

\$1.5 million Ongoing    Office \$420,700    \$500,000 One-Time



\$2million One-Time (\$33-1633)



STEM EDUCATION FUND

**\$2,420,700**

GENERAL FUND (\$67-823)

## FY18 RECOMMENDATION

**\$4,489,500**

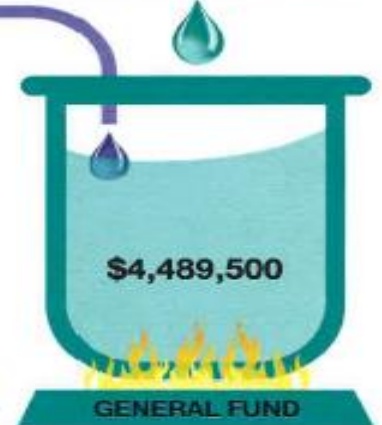
\$2million Ongoing (\$67-823)    Office \$489,500    \$2million Ongoing (\$33-1633)



Up to \$2million Spending Authority



STEM EDUCATION FUND



GENERAL FUND

**\$4,489,500**

# 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 23<sup>rd</sup>
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# 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**

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