

Board Meeting

August 8, 2019



IDAHO
STEM
ACTION CENTER

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

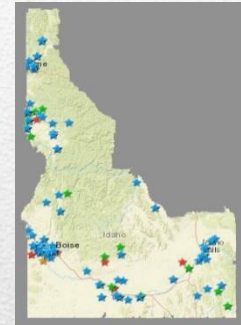
- **GOAL 1:** Advance equitable access to high-quality STEM+CS opportunities for educators, students, and communities
- **GOAL 2:** Align STEM education with workforce needs throughout Idaho
- **GOAL 3:** Increase awareness of the importance of STEM throughout Idaho



GOAL 3: Increase awareness of STEM throughout Idaho

[Data Map Link](#)

Updating our Data Collection Methods and Outcome Metrics



	FY16	FY17	FY18	FY19
Student Engagements	10,428	204,000	406,239	442,318
Educators Interactions	1,200	4,800	12,633	35,768
Community STEM Events	45	140	143	288
Cash	\$72,000	\$205,000	\$750,500	\$1,346,800
In-Kind (and cash equivalent)	Did not track	\$662,000	\$1,787,400	\$4,446,500

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

Awareness Events: P20 Conference, IAEYC Development Days, Idaho Association of School Administrators; Upcoming Events: STEM Day at the Fair, ION Power Up STEM Expo, Science & Math Conference, Hispanic Youth Leadership Conference, Idaho School Boards Association Conference



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

BY PROJECT				
	FY19 – Proposed (Aug 2018)	FY19 –Actual (June 2019)	FY19 – Proposed (July 2019)	
Grants	16%	12%	7%	
PD	28%	26%	27%	
Sponsorships (Competitions, Events, P3 and Sponsorships, Mentorship, Scholarships, workforce programs, STEM schools, pilot projects)	39%	42%	45%	
Outreach/Awareness Activities	5%	5%	11%	
Operating Expenses (office + software, contractors, travel, memberships)	12%	14%	9%	

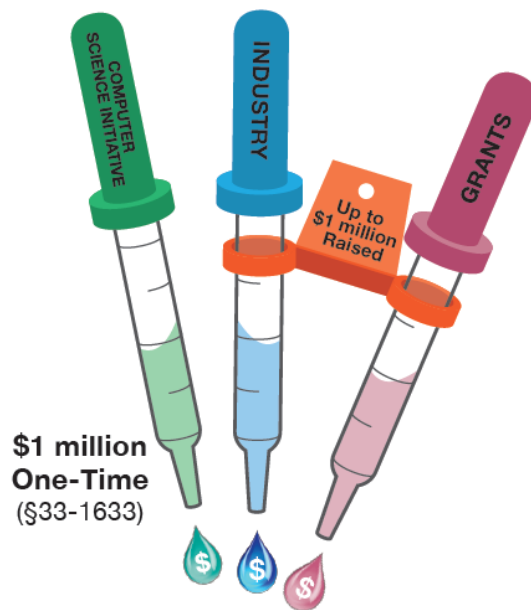
Programs Cut Due to \$1M Reduction in FY20 Appropriation for CS Initiative

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

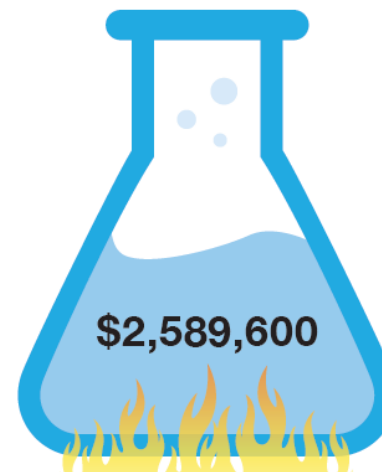
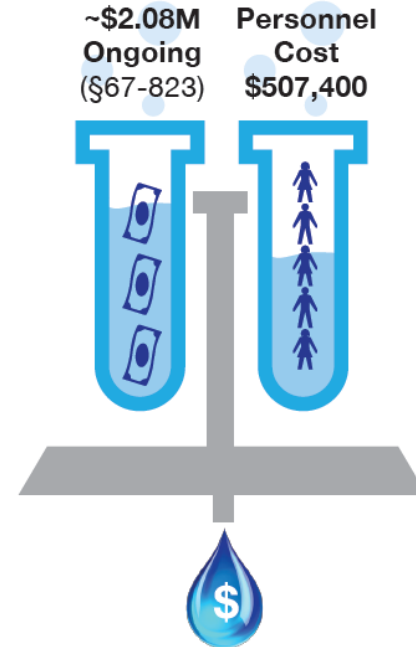
***Reduction:** ISEF Classroom Funding, Competition Travel, Sponsorships reduced by ~50% including external competitions, Camp Grants and PK12 award amount reduced

FY20 APPROPRIATION

\$4,695,800*



DEDICATED FUNDS



GENERAL FUND

**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
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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
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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
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Public Comment



Areas You Can Support

Messaging

- Introductions to STEM Supporters**
 - Volunteer Recruitment via Volunteer Hub**
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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
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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
