

Board Meeting

March 21, 2017



IDAHO
STEM
ACTION CENTER

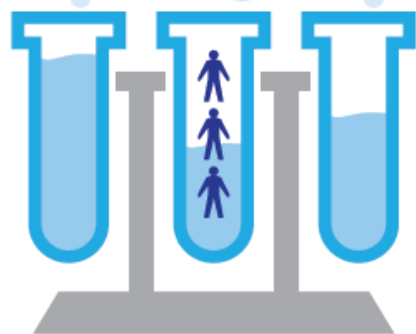
Room WW17

1:00 - 4:00 pm

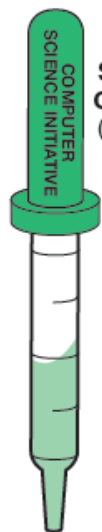
FY17 GENERAL FUND

\$4,420,700

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



GENERAL FUND (§67-823)



\$2million One-Time (§33-1633)

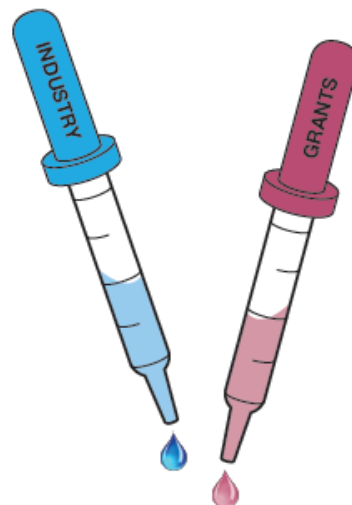
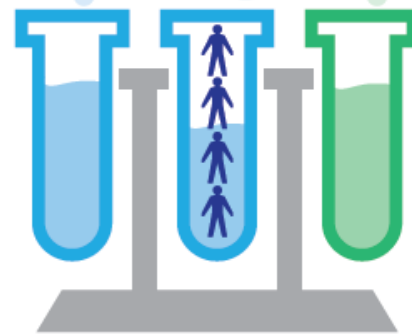


STEM EDUCATION FUND

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

FY18 Budget

Appropriation:

- Funding to remain at FY17 levels
- \$2M for STEM (ongoing)
- \$2M for CS (onetime)
- New FT staff member - Grants and Contracts Operations Analyst (Handout)



FY18 Legislation

STEM School Designation

- No new appropriation requested
- Need to form subcommittee via the State Board to draft administrative rules for the session in FY18
- **Nomination to serve on this subcommittee:**
admin@stem.idaho.gov



Legislation

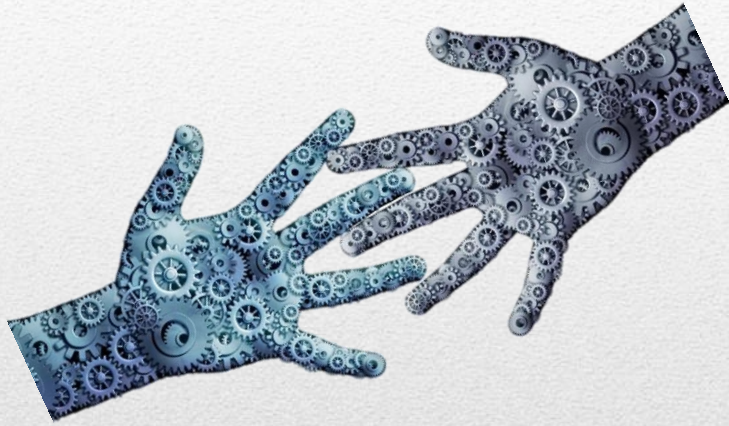
GOAL #1: Coordinate and facilitate implementation of STEM programs throughout Idaho

- Idaho Science & Engineering Fairs
- FIRST Robotics Competition
March 30 – April 1 at Taco Bell Arena



- Passage of CS and updated science and math standards
 - [PD Initiative](#)
TEN opportunities are now open and we are recruiting educators
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GOAL #2: Align education and workforce needs throughout Idaho

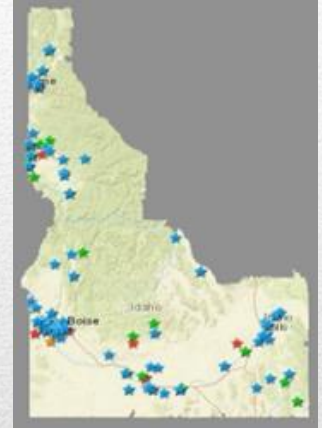


- Project-Based Virtual Mentorship Platform Update
- Expansion of CS Endorsement
- Expansion of dual credit CS
- Code.org visit (ITC/IDLA/STEM AC)
- Business Educator Exchange
- VR expansion throughout Idaho



GOAL #3: Increase awareness of STEM throughout Idaho

- **Presentations:** Idaho EdTech Conference, AAUW, ISEF, FIRST Robotics Welcome, NSTA, Prevention Conference
- **Bright Spots Quotes needed**
- **4 NSF Grants:** INCLUDES (2), CS for ALL, and iTEST



- **Media Coverage:** ISEF, Kuna Melba News, PD Initiative
 - Career and Family STEM Grant Awards
 - Impact data map contains funding opportunities and legislative districts for FY16 and FY17
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Public Private Partnership – Tesoro Library/Community Robotics Kits

- **Tesoro:** Provided \$50,000 in monetary support
- **ICfL:** Provided \$5,737 monetary, oversaw grant, provide 2 days training to 45 libraries (\$55,000 total)
- **STEM AC:** Developed concept, wrote grant (\$35,000)
- **Stemfinity:** Kit assembly, packaging & guide alignment (\$5,000)
- **RESULT:** 45 libraries throughout Idaho will receive robotics kits plus 2 days training. They then train others to use in classrooms, community organizations, and at family STEM events
- **TOTAL VALUE:** ~\$145,737 for a cost of \$35,000 (76%) covered with external funds

Public Private Partnership – Regional Science and Engineering Fairs

- **Estimate Cost:** ~\$70,000 per region, including educator training plus materials and travel grants for students
- **Supporters:** BSU, ISU, UI, Micron, INL, KBOI2, IPTV, Verizon, Fluor, Discovery Center of Idaho (\$125,000)
- **In-Kind:** Judges, mentors, volunteers (\$15,000)
- **STEM AC:** Developed competitive applications, vetted student projects, ran each fair including judging, volunteers, and awards
- **RESULT:** 225 student submitted projects, only 125 students (78 projects) competed. Four projects advance to the international event (14 students total will compete and observe)
- **TOTAL VALUE:** ~\$210,000 with ~\$150,000 (71%) covered with external funds)





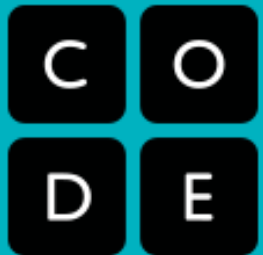
Public Private Partnership – Wonder Media Story Maker



- **Wonder Media:** Provided \$69,000 (hardware, software, and training to six Idaho schools)
 - **KBOI2:** Provided media coverage including airing of PSA created by students at Wilder Elementary (\$28,875)
 - **STEM AC:** Accepted competitive proposals and invested \$50,000 to support school hardware and development of training and curriculum
 - **RESULT:** 6 schools will receive the complete Wonder Media Story Maker package, training, and curriculum (developed by Wilder educators)
 - **TOTAL VALUE:** ~\$147,000 for a cost of \$50,000 (67%) covered with external funds
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Public Private Partnership – Code.org

- **IDLA:** Supports training platform and logistics (~\$70,000)
- **Code.org:** “Free” training this year ONLY (estimated value \$100,000)
- **STEM AC:** Supports teacher travel and training materials (\$70,000)
- **RESULT:** 230 educator trained in CS throughout the state in FY17
- **TOTAL VALUE:** ~\$240,000 with ~\$170,000 (71%) covered with external funds



Public Private Partnership – CSI Summer Bridge Program

- **CSI:** \$50,000 monetary and \$17,000 in-kind to support first time STEM-degree seeking students with summer transition course and activities to prepare them to CSI in the fall
 - **INL:** \$15,000 monetary
 - **STEM AC:** \$5,000 monetary
 - **RESULT:** 10 students spend 8 weeks preparing to transition into CSI STEM coursework
 - **TOTAL VALUE:** ~\$87,000 with \$82,000 (94%) covered with external funds
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Public Private Partnership – Marketing Campaign

- **Fahlgren Mortine** - In-kind \$12,000
- **Idaho Technology Council** - \$2,500 monetary support
- **STEM AC** - \$9,000 monetary input
- **RESULT:** Comprehensive communication plan and supporting materials created
- **TOTAL VALUE:** \$23,500 with ~\$14,500 (61%) covered with external funds

fahlgren  mortine

The logo for Fahlgren Mortine consists of a stylized 'O' shape formed by two overlapping loops, one in blue and one in red, with a green and yellow gradient in the center.

Trailhead – Coding and Tech Training and Potential Partnership

Welcome Raino Zoller



STEM AC Foundation and Director

Next Steps

- Need to file appropriate paperwork
 - Need to hire a director (contractor) – this would be a short-term solution.
 - Need to begin working with contractor on business introductions and co-authoring grants
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STEM Diploma

**Discussion with Lorna as lead –
please see handouts**



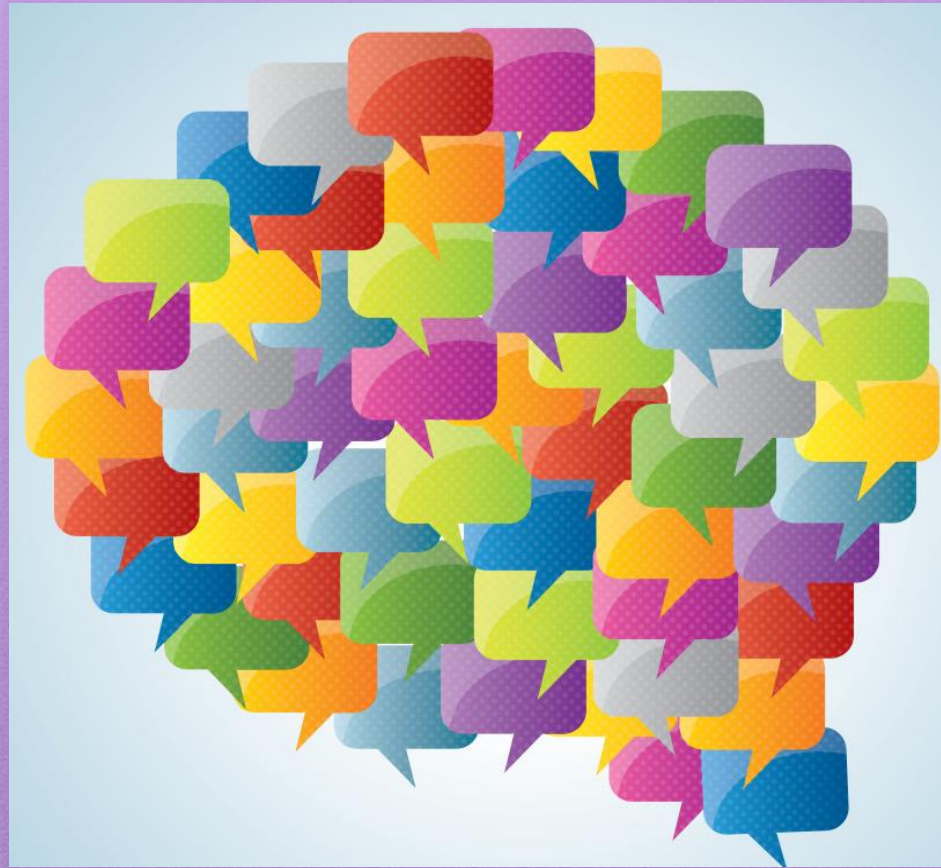
Letter from North Idaho Stem
Academy Students to Idaho Ed News

Workforce Development Task Force Update

Update from Dave and Ken



Public Comment



Upcoming Events

One-On-One Calls: Late April

Strategic Planning Meeting:

**Doodle Poll coming soon, early May
Plan DUE July 1, 2017**

Next Board Meeting

**May 30, 1:00 - 4:00pm
WW17**
