Board Meeting March 21, 2017

IDAHO STEM ACTION CENTER

Room WW17
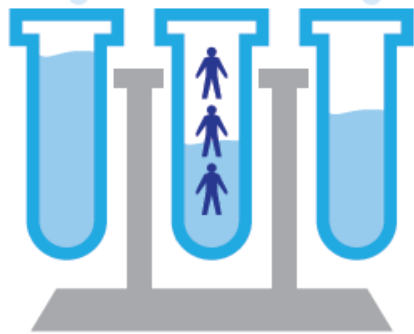
1:00 - 4:00 pm

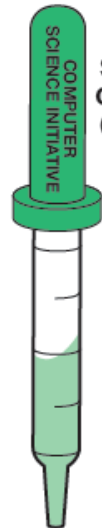## FY17 GENERAL FUND
$4,420,700

$1.5 million Ongoing

Office $420,700

$500,000 One-Time

COMPUTER SCIENCE INITIATIVE

$2million One-Time (§33-1633)

$2,420,700

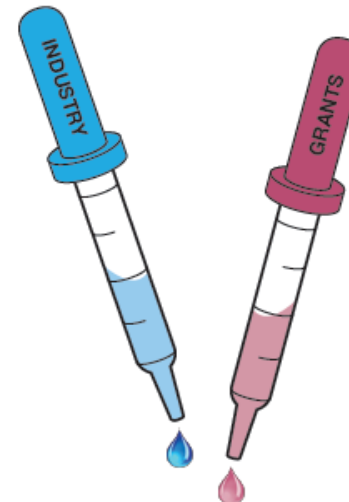GENERAL FUND (§67-823)
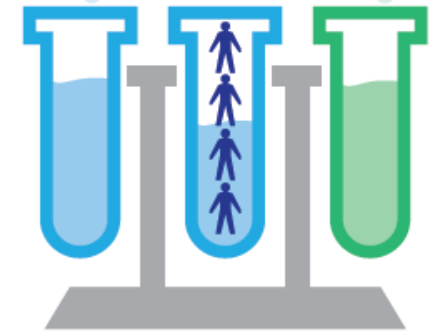
$2,000,000 Spending Authority
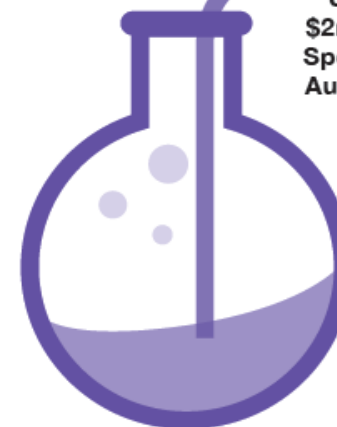
STEM EDUCATION FUND

FY18 RECOMMENDATION
$4,489,500

INDUSTRY

GRANTS

$2million Ongoing (§67-823)

Office $489,500

$2million Ongoing (§33-1633)

Up to $2million Spending Authority

STEM EDUCATION FUND

$4,489,500

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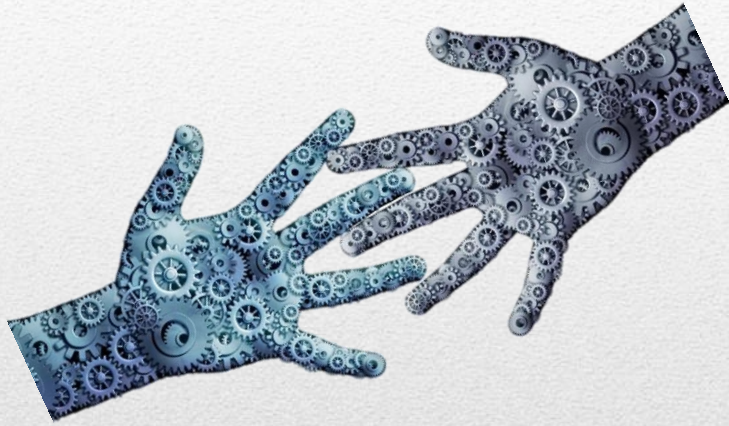
- Idaho Science & Engineering Fairs
- FIRST Robotics Competition
  March 30 – April 1 at Taco Bell Arena

- Passage of CS and updated science and math standards
- PD Initiative
  TEN opportunities are now open and we are recruiting educators

GOAL #2: Align education and workforce needs throughout Idaho

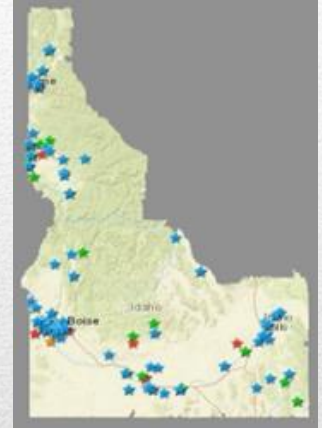- Project-Based Virtual Mentorship Platform Update

- 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

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)
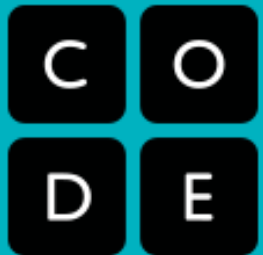
Public Private Partnership – Wonder Media Story Maker

- **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

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

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

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

STEM Diploma

Discussion with Lorna as lead –

please see handouts

Letter from North Idaho Stem

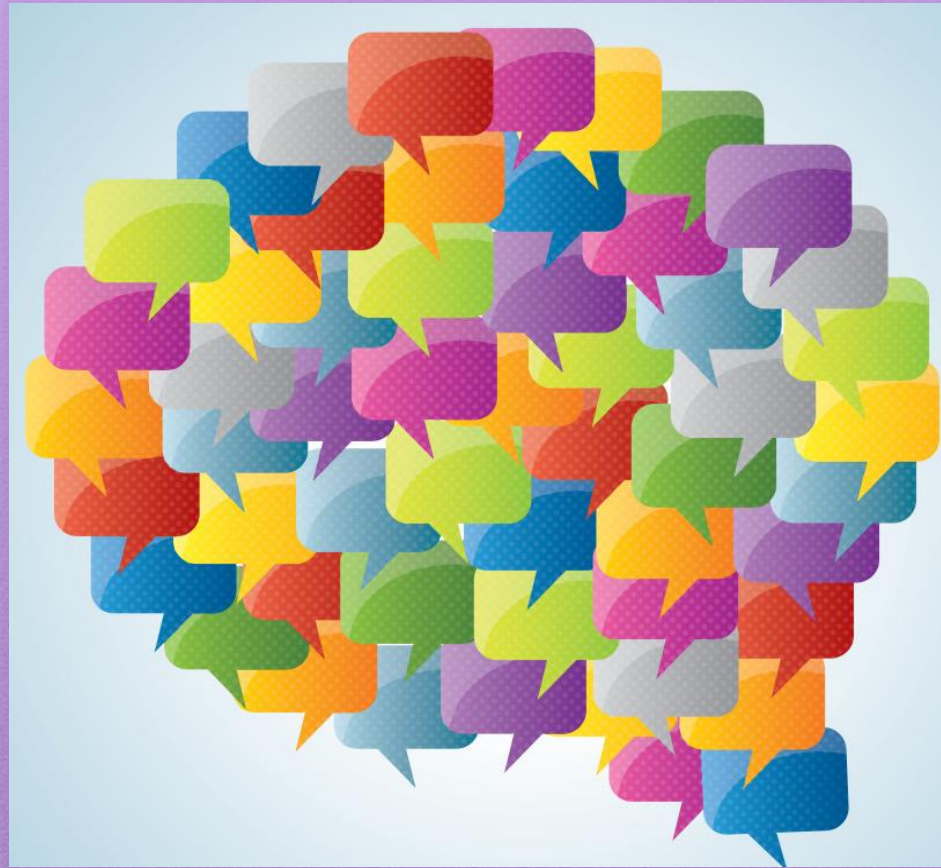Academy Students to Idaho Ed News

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