STEM Action Center
Board Meeting
Dec 16, 2015

Idaho Capitol Building
Room WW17
12:00 – 4:00 p.m.
Why STEM Matters

A powerful, state-wide campaign to raise awareness and create engagement in Idaho STEM – the foundation for tomorrow's workforce.
Website – stem.idaho.gov
• January Launch
• Photos & Bios from Board Members needed
• RFP for full website FY16

e-Newsletter
• 1st Issue – Dec ‘15

Facebook
Launched 11/20/2015
75 likes
172 post reaches

https://www.facebook.com/IdahoSTEMAC
Version 1
Mentor version 2
Review of Research Related to Utah
Legislation related to Idaho STEM Action Center

• **Tax credit**
  • Moves STEM AC to an educational tax credit
  • Will be added to Idaho Code §63-3029A

• **Board travel to STEM AC Meetings covered**
  • Clarifying that the travel costs of the Board is covered
  • Will be clarified in Idaho Code §67-825
Additional Areas of Board Support

- **New science standards adoption**
  - Approved by State Board (Docket Number 08.02.03.1509)
  - Link to Board-adopted standards:
  - Discussion related to:
    - Reasons to Support
    - Potential Issues
Additional Areas of Board Support

• Engineering and Computer Science Teaching Endorsement
  • Nov 30 approved by state board of education (Docket Number 08.02.02.022 and 08.02.02.023)
  • Computer Science (6-12). Twenty (20) semester credit hours of course work in Computer Science, including course work in the following areas: data representation and abstraction; design, development, and testing algorithms; software development process; digital devices systems network; and the role of computer science and its impact on the modern world.
  • Engineering (6-12). Twenty (20) semester credit hours of engineering course work.
  • Could be effective by the end of session
Future Actions for Support

- **Creation of computer science standards**
- Working with SDE and Higher Education to draft standards for adoption by Board in Fall 2016 and presentation during 2017 session
STEM Works and the Iowa Model

- **Purpose**: Vetting programs/projects for grants
  - By Idahoans, for Idahoans
- **Who**: Based on the Iowa model, platform hosted by Change the Equation
- **Link**: [http://changetheequation.org/stemworks](http://changetheequation.org/stemworks)
- **What**: Create a platform, call for RFPs and allow Idahoans to review them, select the top 5(?) for funding with PK12 grants
  - Keep innovative ideas category – this year’s PK12 Grant model
Center Spending 2015-2016

- See Draft of 2015-2016 Spending
  - Recognize saving and proposed new expenditures
PK12 Grants

• We have received 50 grants totaling ~ $100,000.
• Contractor has been hired PT to assist with the following:
  • Recruit volunteer reviewers
  • Sort and send grants to reviewers
  • Collect individual reviewer information
  • Organize final scores and send final evaluation sheets to STEM AC
Statewide Science/STEM Fair

![Bar Graph]

- **S**: National - 14, Idaho - 4
- **T**: National - 2, Idaho - 1
- **E**: National - 8, Idaho - 2
- **M**: National - 6, Idaho - 2
- **STEM**: National - 16, Idaho - 6
FabSlam

NATIONAL 3D PRINTING COMPETITION FOR YOUTH

Idaho will be one of only five sites in the U.S.

GOALS

• Expose more youth to 3D printing
• Build 3D printing expertise across the country
• Provide youth with design cycle experience (design, market research, prototyping, iterating)