

# **STEM Action Center Board Meeting Dec 16, 2015**

**Idaho Capitol Building  
Room WW17  
12:00 – 4:00 p.m.**

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# KBOI Public Awareness Campaign

STEM Matters; 2016-17 Campaign

## 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

- 1<sup>st</sup> Issue – Dec '15

## Facebook

Launched 11/20/2015

75 likes

172 post reaches



<https://www.facebook.com/IdahoSTEMAC>

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ACTION CENTER



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mentor



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Version 1



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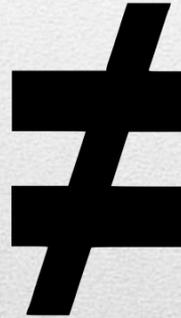
**Version 2**

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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
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# Additional Areas of Board Support

- **New science standards adoption**

- Approved by State Board (Docket Number 08.02.03.1509)

- Link to Board-adopted standards:

<https://www.sde.idaho.gov/site/science/docs/Idaho%20State%20Science%20Standards%20DRAFT2015.pdf>

- Discussion related to:

- Reasons to Support
  - Potential Issues
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# 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
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# 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
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# 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>
  - **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
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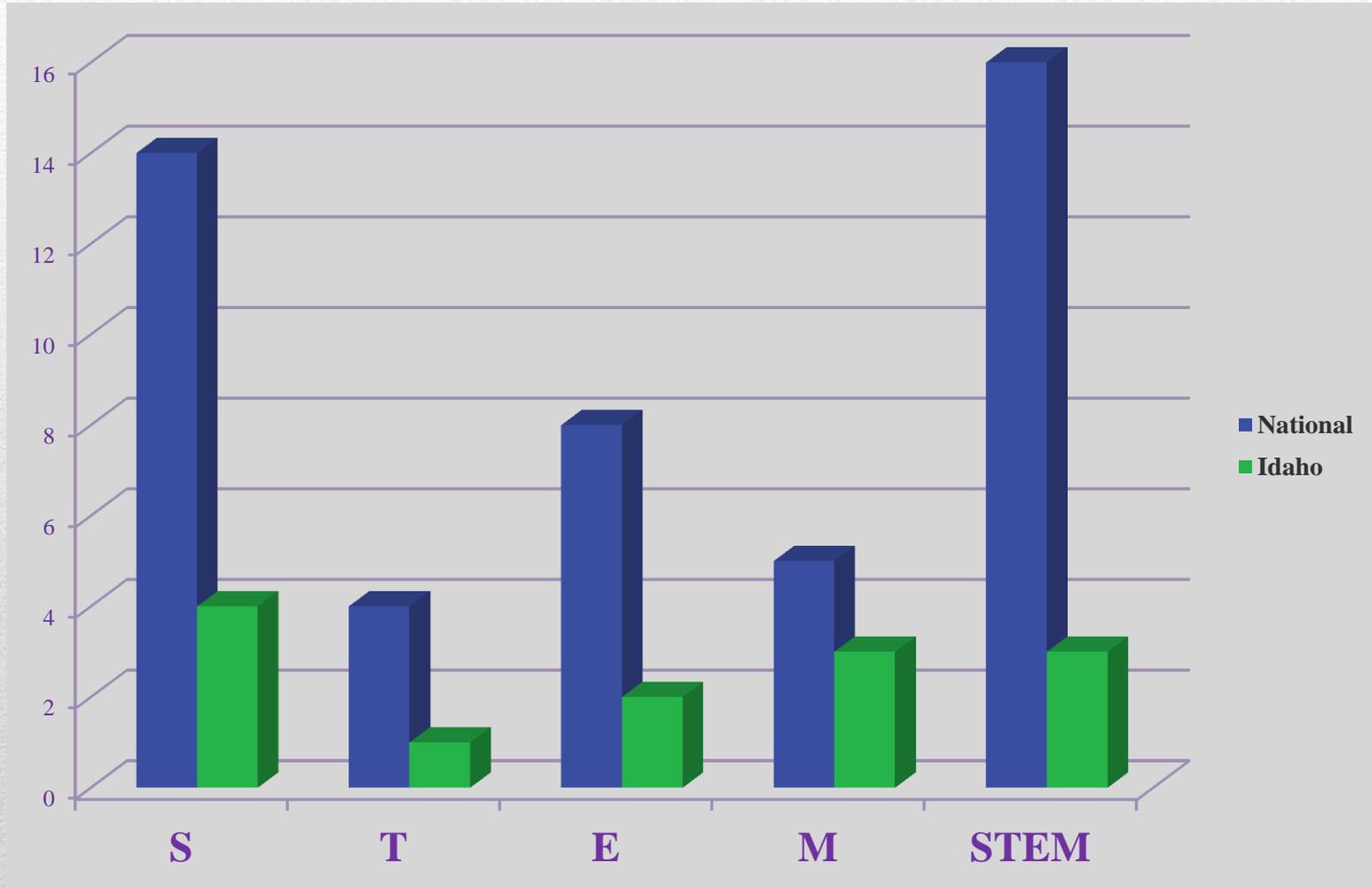
# Center Spending 2015-2016

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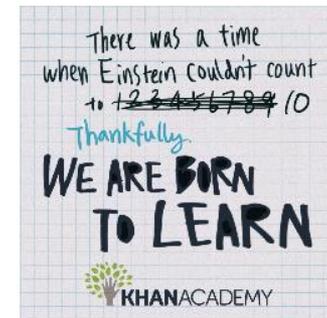
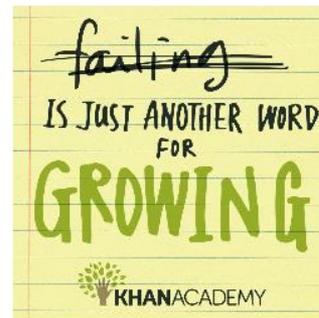
## PK12 Grants

- 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
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# Statewide Science/STEM Fair



# LearnStorm



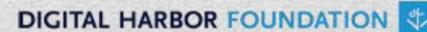
<https://www.khanacademy.org/youcanlearnanything>

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# 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)
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