

# Board Meeting

## January 7, 2021



**IDAHO**  
**STEM**  
ACTION CENTER

**Zoom**

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**1:00 - 4:00 pm**

# Approval of October Minutes

Request for **Motion** to Approve  
Minutes from October





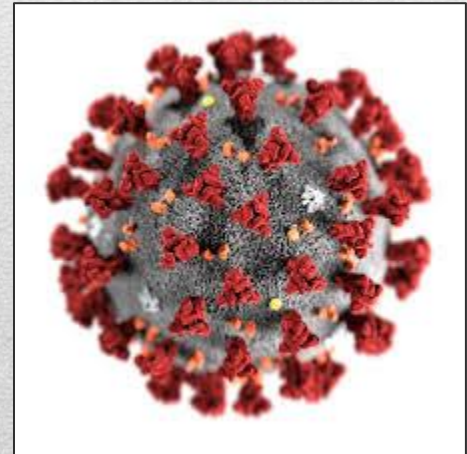
# Meeting Goals

- Provide an update on work towards 3 goals
- Review new equity statement
- Review performance report and JFAC presentation
- Update from State Department of Education
- Update from Workforce Development Council



# Impacts of COVID

- Postponed Professional Developments
- Cancelled Events
- Donations and Funding Considerations
- Future Planning for PD and Events





## GOAL 1:

*Advance equitable access to high-quality STEM+CS opportunities for educators, students, and communities*

- Professional Development
- Grants
- Competitions





## GOAL 2:

### *Align STEM education and workforce*

- STEM School Designation
- STEM Diploma





# STEM Diploma Discussion (Code 33-523) and Data Request from OSBE





## GOAL 2:

### *Align STEM education and workforce*

- STEM School Designation
- STEM Diploma
- Externship Program
- STEM Ecosystem





# Ecosystem Commitments

## **American Falls School District**

American Falls School District #381 makes a commitment to provide facilities and training for practical STEM activities that can be used in the classroom in South East Idaho serving 100 Teachers by Fall 2022.

## **Idaho State University**

- 1) The Director of STEM and Industry Relations at the College of Technology at ISU will commit to partnering with the STEM Action Center to enhance the work of the STEM Ecosystem.
- 2) The college will host a yearly i-STEM summer institute impacting a minimum of 60 teachers with hands-on STEM curriculum, materials and experience.
- 3) The Director of STEM will engage in developing a regional STEM ecosystem, bringing industry and community members to the table. The Director of STEM will continuously work to identify new STEM opportunities and to promote STEM awareness throughout the state of Idaho.



# Ecosystem Commitments

## **Discovery Center of Idaho**

The Discovery Center of Idaho will continue to provide access to in-person high quality STEM driven exhibitions for underserved and underfunded communities through grant funded Student Vouchers, and our Museums For All reduced admission. The Discovery Center of Idaho also commits to researching and developing new, virtual and online educational courses and materials that will reach both a state-wide and nation-wide audience with low-cost and easily accessible STEM education programs.

... and many more to be posted on

<https://stem.idaho.gov/idaho-stem-ecosystem/>





## GOAL 2:

### *Align STEM education and workforce*

- STEM School Designation
- STEM Diploma
- Externship Program
- STEM Ecosystem
- Partnerships
- Grants & Fundraising





# GRANTS

- GEER funding for i-STEM Libraries - \$98,250
- FIRST Equity Community Grant for 6 new FRC teams - \$50,000
- Laura Moore Cunningham Foundation for FRC - \$30,000
- Idaho Space Grant Consortium for ISEF - \$25,000
- National Science Foundation for EcosySTEM - \$99,499
- STEMx for i-STEM Lending Libraries - \$10,000
- US Bank for Computer Science for devices - \$2,500
- Rocky Mountain Power Foundation for i-STEM - \$3,000
  
- Multiple other grants submitted and/or in progress: Office of Naval Research, NSF grants, Murdock Foundation, Amgen Foundation





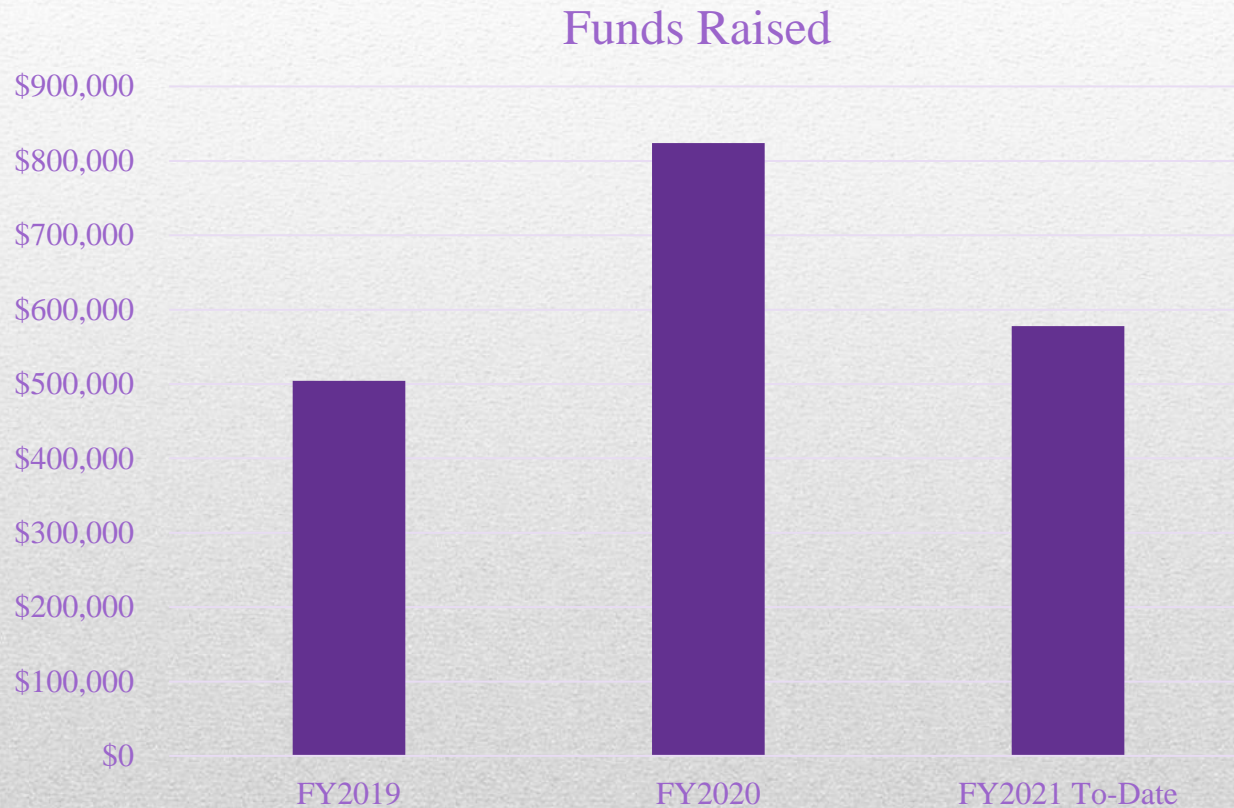
# FOUNDATION UPDATE

- **Funds Raised FY21 to date: \$578,203**
- **BOD Expansion**
  - Dr. David Hill – President
  - Nick Aldinger, IBL Events - Treasurer
  - Laurie Anderson, Micron Foundation – Secretary
  - Hayley Rambur, Midas Gold (Donnelly)
  - Molly Dimick, Simplot Company (Soda Springs)
  - Dr. Angela Hemingway, T-Mobile
  - Christine Frei, Clearwater Economic Development Association (Lewiston), 1/15/2020
- Year-End Giving Campaign raised \$21,000
- New Industry Donors: Spokane Teachers Credit Union, KeyBank, Bank of Idaho, Clearwater Analytics, StageDotO, Simplot, Epic VC, HDR Engineering, Franklin Building Supply



# FY21 Foundation Support Growth

## Through P3, New Program Sponsors, Stronger Partners





# FUNDRAISING

## Donor Totals for FY21 = ~\$933,00

• Idaho Community Foundation	\$290,000
• Laura Moore Cunningham Foundation	\$65,000
• Office of the State Board of Ed (GEER)	\$98,000
• Workforce Development Council	\$54,000
• Micron Technology Foundation	\$57,000
• Spokane Teachers Credit Union	\$32,000
• Boise Cascade Company	\$35,000
• FIRST Robotics	\$32,000
• Office of the Governor (COVID-19)	\$26,000
• Albertsons Safeway	\$25,000
• Spark Foundation	\$25,000
• Individual Donors to Center and Foundation	\$10,400



# Top Donor Programs in FY21

• <b>Educator PD</b>	<b>\$219,000</b>
• Externships	\$45,750
• i-STEM	\$13,000
• INDEEDS Award	\$5,000
• <b>Public-Private Partnerships</b>	<b>\$640,000</b>
• <b>Competitions</b>	<b>\$36,000</b>





## GOAL 3:

*Increase awareness of the importance of STEM throughout Idaho*

### Upcoming Awareness Events:

Idaho Education Technology Association Conference (Virtual)

STEM Day at the Capitol (Cancelled but Stay Tuned)

STEM AC Listening Sessions (Educators in October, Administrators in February)



### Media Coverage:

CS Education Week/Hour of Code, ISEF, Leadership Change

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# **'THIS IS STEM' Video**





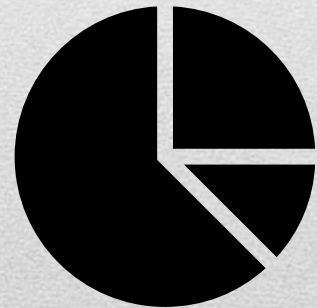
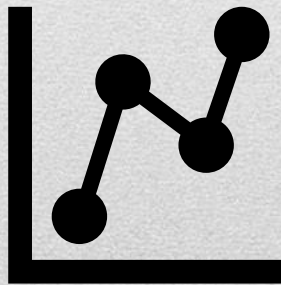
# Equity Statement

The Idaho STEM Action Center is committed to ensuring equitable access to STEM pathways for all Idaho's students, educators, and communities. In our efforts, equity begins with recognizing disparities in Idaho: access and awareness gaps for students, inconsistencies in training and support resources for educators, and economic inequalities for Idaho's communities- and providing opportunities for Idahoans to realize their full potential by overcoming these barriers.

STEM AC coordinates collaborative opportunities to improve STEM education and long-term economic prosperity, empowering Idahoans with the tools and knowledge they need to apply STEM concepts to their lives. We leverage resources to promote awareness of and participation in STEM specific to the needs and assets of each community's economic, demographic, and educational makeup, paying special attention to those who traditionally face obstacles in STEM pathways. We create problem-solvers and critical thinkers for today and tomorrow.

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# Fact Book Review





# BUDGET DISCUSSION

**Present (FY21) &  
Future (FY22)**



# FY22 Budget Request & Governor's Recommendation

Request includes:

- Maintenance items (change in benefit costs, IT billings, etc.)
- Line item to move 1 FTE from Dedicated Fund to General Fund
- Remove Miscellaneous Revenue Fund

Request Breakdown:

	General Fund (cash)	Dedicated Fund (spending authority)	Total
Request	\$3,045,700	\$2,929,900	\$5,975,600





# Analysis by Project – FY20 and FY21

BY GOAL			
	FY20 – Proposed (Aug 2019)	FY20 –Actual (June 2020)	FY21 – Proposed (July 2020)
GOAL 1: Grants	7%	10%	6%
GOAL 1: PD	27%	25%	26%
GOAL 2: Sponsorships (Competitions + student travel, , Events, P3 and Sponsorships, Mentorship, workforce programs, externships, STEM schools, ecosystems support, pilot projects)	45%	40%	41%
GOAL 3: Outreach/Awareness Activities	11%	13%	14%
Operating Expenses (office + software, contractors, travel, memberships, infrastructure)	9%	11%	12%

# Legislation for 2021 Session

Currently NO proposed legislation





# Idaho STEM AC Statutes

- **Idaho Code 67-823:** Established the Idaho STEM Action Center
- **Idaho Code 33-1633:** Computer Science Initiative
- **Idaho Code 67-824:** Established the STEM Education Fund
- **Idaho Code 33-4701:** STEM School Designation
- **Idaho Code 33-1634:** Computer Science for All
- **Idaho Code 33-523:** Established a STEM Diploma
- **Idaho Code 63-3029A:** Established STEM AC as an Idaho Education Tax Credit



# JFAC & PERFORMANCE REPORT DISCUSSION





# 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



# Goals

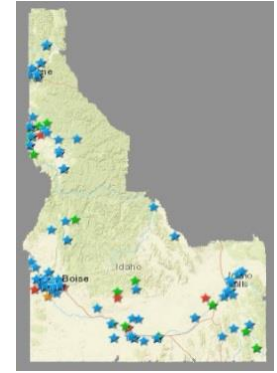
- **GOAL 1:** Advance equitable **access** to high-quality STEM+CS opportunities for educators, students, and communities
- **GOAL 2:** **Align** STEM education with workforce needs throughout Idaho
- **GOAL 3:** Increase **awareness** of the importance of STEM throughout Idaho





# FY20 Performance Report Data

[Data Map Link](#)



	FY16	FY17	FY18	FY19	FY20
Student Engagements	10,428	204,000	406,239	442,318	164,687
Educators Interactions	1,200	4,800	12,633	35,768	22,369
Community STEM Events	45	140	143	288	250
Cash	\$72,000	\$205,000	\$750,500	\$1,346,800	\$1.746M
In-Kind (and cash equivalent)	Did not track	\$662,000	\$1,787,400	\$4,446,500	\$4,884,000

# Performance Report

- COVID-19 Pandemic
  - Missing final reports, delayed program implementation
  - Hands-on STEM – some programs are not affective in a virtual setting
  - 2-3 years before back to ‘normal’
- Looking forward
  - Leveraging this opportunity to refocus our impact
  - Strategic Planning this spring





# JFAC Presentation

- Unfilled STEM jobs and lost tax revenue
- STEM job growth
- CS offerings have increased
- Students eligible for STEM diploma has increased
- Ecosystem partnerships
- Fundraising
- Digital literacy, citizenry, “Reason to Read”



# 2021 Session

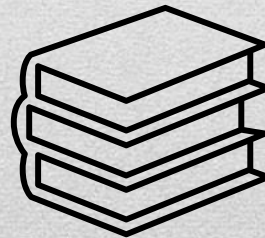
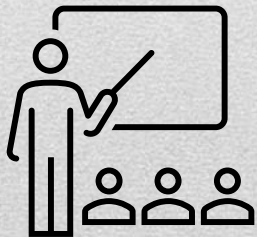
- What do you need to talk with stakeholders about our work?
- Who needs to know, buy or believe in our work?
- Who we are, what we do, how we do it and why it matters
- Other Ideas/Needs from the Board?





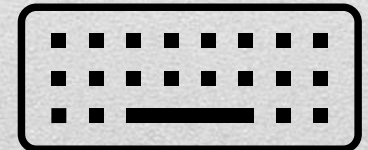
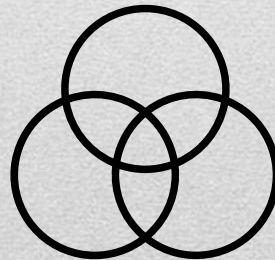
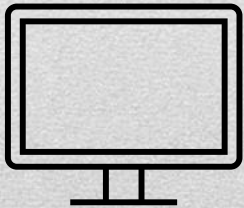
# Board Updates

## State Department of Education Standards Update



# Board Updates

## Workforce Development Council Idaho Codes 2.0





# 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 until mid-May



# Areas You Can Support

## Messaging

- Introductions to STEM Supporters
- Volunteer Recruitment via STEM AC Webpage
- Follow us on Social Media (or share)





# Public Comment



# Other Upcoming Events

## **JFAC Presentation:**

January 29, 2021

## **Next Board Meeting:**

TBD

## **Idaho Science and Engineer Fair Awards Ceremony:**

March 25, 2021

## **Idaho EcosySTEM**

## **Strategic Planning Statewide Meeting**

April 16, 2021

