Advisory Board Meeting
November 8, 2024

Agenda

Introductions → Approval of minutes

Review of current state (strategy, Q1 financials) → Review program goals and expenditures

Discussion → Recommendations
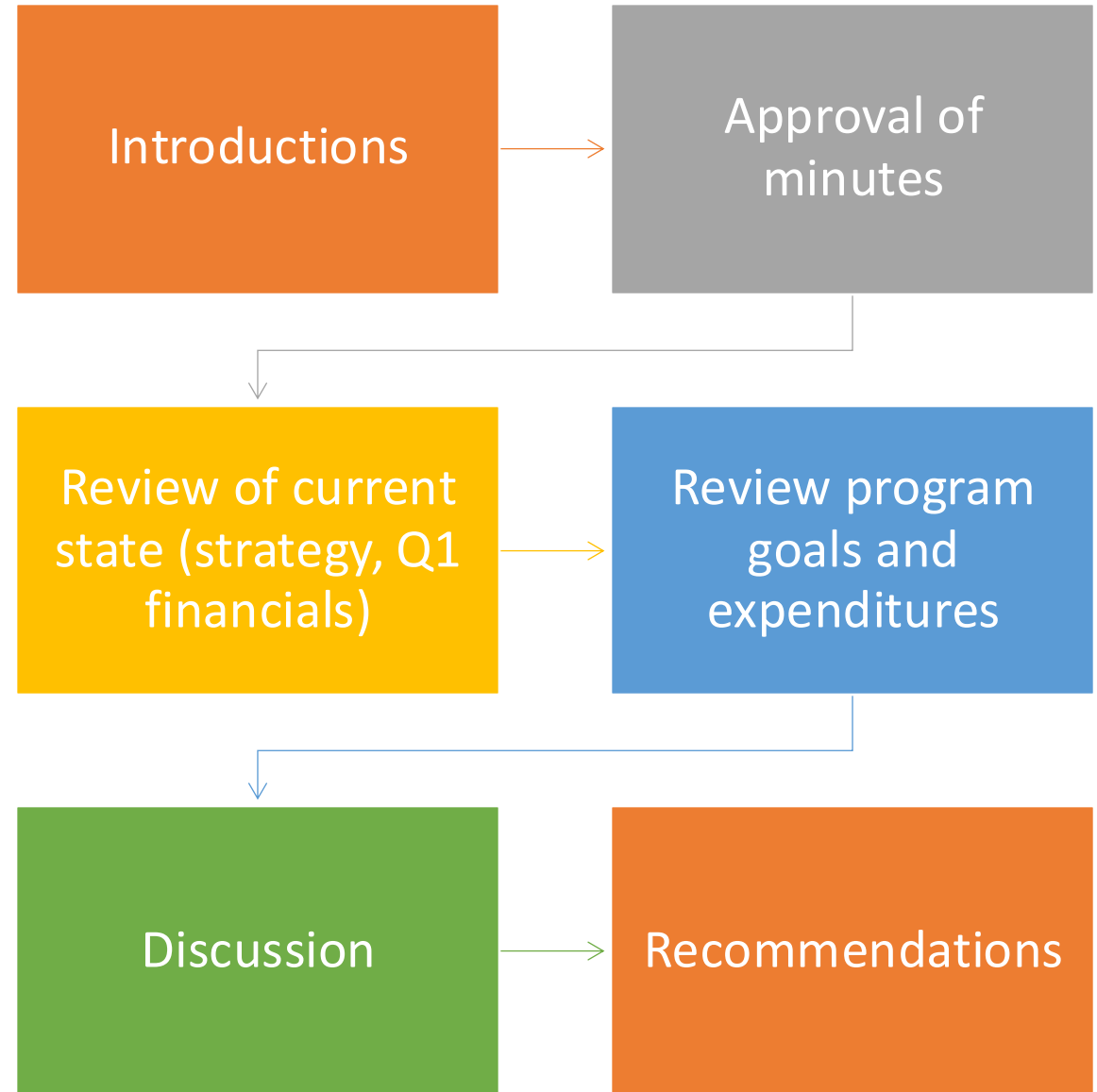
CORE Values:
- **Growth Mindset** (We are committed to growth and innovation)
- **Advocacy** (We act in service to one another and the mission)
- **Trust** (We are knowledgeable, reliable, dependable)
- **Effective Communication** (We foster collaboration through open and transparent communication)
- **Joy** (We believe joy drives creativity and commitment)

Vision:

We envision a diverse STEM-powered workforce driving Idaho's economic future.

Mission:

We unite public education, employers, and community partners to ensure all Idaho youth are prepared to access STEM opportunities.
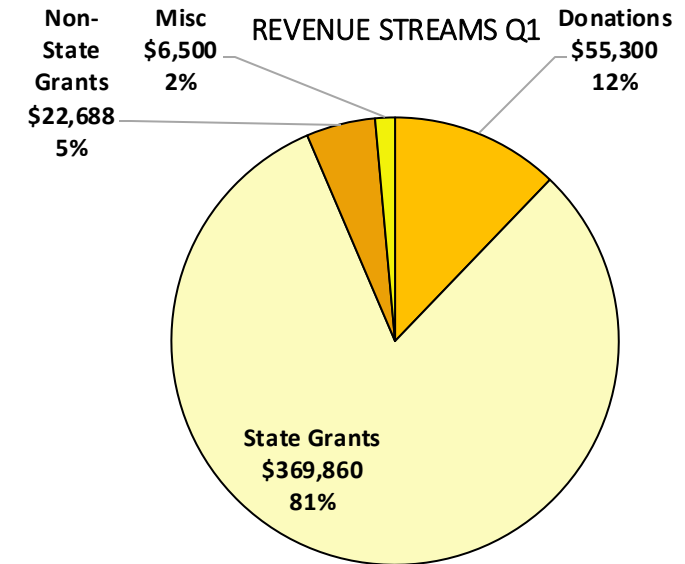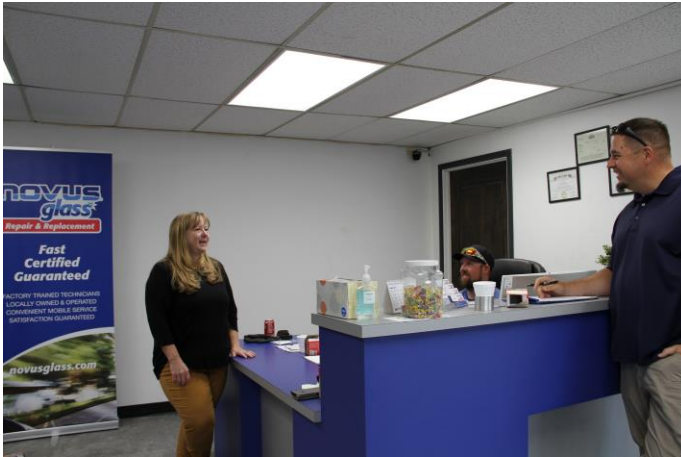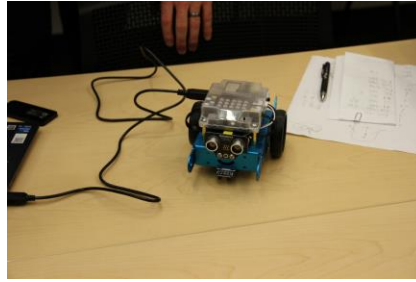
FY2025 Q1 Financials

SUMMARY	
General Fund FY2025 Appropriation	$3,279,200
Revenue through Quarter 1	$454,348
Expenditures through Quarter 1	$1,252,125
REMAINING LEFT TO SPEND	**$2,481,423**
PERCENTAGE LEFT TO SPEND	**66%**

Category	Appropriation	Revenue	Expenditures	Amount Remaining
Personnel	$862,600	$-	$224,781	$637,819
Operating	$2,323,100	$454,348	$1,008,457	$1,768,991
Capital	$93,500	$-	$18,887	$74,613
Total	**$3,279,200**	**$454,348**	**$1,252,125**	**$2,481,423**

REVENUE STREAMS Q1

Non-State Grants $22,688 5%

Misc $6,500 2%

Donations $55,300 12%

State Grants $369,860 81%

FY2025 Q1 Externship Highlights

Major Programs

Goals

Programs

Impacts

Strategic Plan Goals

GOAL #1: Increase awareness of the importance of STEM + CS education and employment pathways

GOAL #2: Increase pursuit of STEM pathways across Idaho

GOAL #3: Align STEM + CS education with workforce needs

Idaho's Science and Engineering Fairs

3 Regional Fairs

- North Idaho: March 3rd at North Idaho College, Coeur d'Alene
- West Idaho: March 15th at Boise State University, Boise
- East Idaho: February 27th at Melaleuca, Idaho Falls
- International Fair: May in Columbus, Ohio

- In collaboration with the Idaho EcosySTEM

ISEF	Cost
IDSEF/ISEF	$61,140.00
- Portion of Ecosystem Agreement	$80,000.00
- ASRT Trainer (FY26 payment)	$10,925.00
Total	$152,800.00

Resources
- FTE (Nate Dean)
- Contracts (IBE - EcosySTEM)

FY25 Goal: 90 student projects with 6 continuing to the Regeneron International Science and Engineering Fair

i-STEM

i-STEM is a summer professional development opportunity for educators (PK-12) working in both formal and informal settings focused on improving access to effective STEM learning opportunities in collaboration with industry.

Participation over the years:
- 2018 - 296 participants
- 2019 - 492 participants
- 2020 – Cancelled due to COVID
- 2021 – 362 participants (Virtual)
- 2022 – 248 participants
- 2023 – 370 participants
- 2024 – 442 participants

FY25 Goal: Increase secondary educator participation and heighten industry involvement within strands

i-STEM

Resources

- o FTE (Katie Bösch-Wilson)
- o Temporary Staff (1 – ending November 2025)
- o Contracts (RFP w/BSU)
- o Other Costs (Site Coordinators and Site Agreements)

i-STEM	Cost
i-STEM	$105,972.00
- 4 Regional Support Agreements	
- 6 Site Agreements	
EBL Impact (Evaluation) Agreement	$50,000.00
RFP with BSU (Help manage program / CS fund also utilized)	$341,667.00
Total	**$497,639.00**
i-STEM WDC Grant (2- year grant)	$447,406.58
- 1 Temporary staff to support i-STEM	

Externship

The Externship Program places educators into workplace experiences during the summer months to bring these experiences back into the classroom.

Participation over the years:
- 2020: 31 Externs
- 2021: 26 Externs
- 2022: 26 Externs
- 2023: 88 Externs (with help from an Innovation Grant provided by WDC & Micron)
- 2024: 97 Externs (with help from an Innovation Grant provided by WDC & Micron)

FY25 Goal: 75 externs with new 3-year funding plan from WDC.

Externship

Resources

- FTE (Nate Dean)
  - In partnership with WDC
- Temporary Staff (1 – will end June 30, 2025)

Externships	Cost
Externships – 2 year WDC Grant	$862,500.00
- 1 Temporary staff	
FY25 Remaining Total	**$333,830.00**

*Participation increased due to a $862,500 2-year grant from WDC. Moving forward this program has $250K from WDC and $75K from STEM AC.

STEM School Designation

STEM School Designation Program was established to serve as an indicator for parents and students looking for STEM school experiences in Idaho helping schools meet standards aligned with best practices to foster in-demand skills and competencies.

11 Participating Schools:
- Barbara Morgan STEM Academy
- Basin Elementary
- Columbia High School Program
- Ernest Hemmingway STEAM School
- Fernan STEM Academy
- Galileo STEM Academy
- JR Simplot Elementary
- North Idaho STEM Charter Academy
- Project Impact STEM Academy
- Southside Elementary
- Temple View Elementary

Section 33-4701, Idaho Code

Support Funds Awarded:
    First 5 years: $10,000 per year
    Second 5 years: $5,000 per year

https://stem.idaho.gov/apply/stem-school-designations

FY25 Goal: Designate 2 additional schools

STEM School Designation

Resources
- FTE (Nate Dean)
- Contracts (2 Support Coaches)

STEM School Designation	Cost
School payouts	$100,000.00
Admin/Review (travel, banners, plaques, Canvas platform)	$10,000.00
2 Support staff (Assist schools with reaching designation)	$25,800.00
Total	**$135,800.00**

STEM Identity Scholarship

Seniors in an Idaho Public HS

Meet Statutory Course Requirements for STEM Diploma (Regardless of if LEA offers one)
8 Credits of Science
8 Credits of Math
5 Additional Credits of STEM

2x Awards:
4 Year, Full-Tuition to a STEM-related program at an Idaho public institution (including trades programs at community colleges)

Resources
   o FTE (Nate Dean)

STEM Identity Scholarship	Cost
Scholarship	$25,000.00
Total	**$25,0000.00**

Computer Science

Resources

- FTE (Katie Bösch-Wilson)

Expenditures:	
CS Resource Grant	$85,000.00
CS Event Sponsorship	$10,000.00
CSforAll Grant - from NSF grant	$53,141.00
CS Teacher Scholarships	$90,000.00
CS K-12 PD	$5,500.00
i-STEM BSU RFP (CS)	$179,500.00
EcosySTEM RFP (CS)	$75,000.00
Learning Blade (CS)	$55,000.00

*$500,000 of general funds must be used for Computer Science

EcosySTEM

Through its support of the Idaho STEM EcosySTEM STEM AC seeks to fulfill the several of the legislative requirements. The Idaho STEM Ecosystem engages partners to foster transformative STEM learning experiences and expand career pathways in every Idaho community.

- Resources
    - Cost – $983,000.00
    - FTE (Dee Mooney)
    - Contractors - Idaho Business for Education; 5 employees
- https://www.idahostem.org/

Collaboration Efforts

- Government Social Media Professionals
- Idaho Nonprofit Center / Idaho Community Foundation
- STEMx Member
- Idaho Science and Aerospace Scholar Advisory Board Membership
- PNW CS TEACH Advisory Board Membership
- CSTA K-12 National Standards Advisor
- Code.org Computer Science Advocacy Coalition Member
- CSforAll Commitment Maker/Member
- Idaho Space Grant Consortium Affiliate
- Idaho Health Professions Pathway Coalition Member
- EPSCoR: Rural Education Partnership
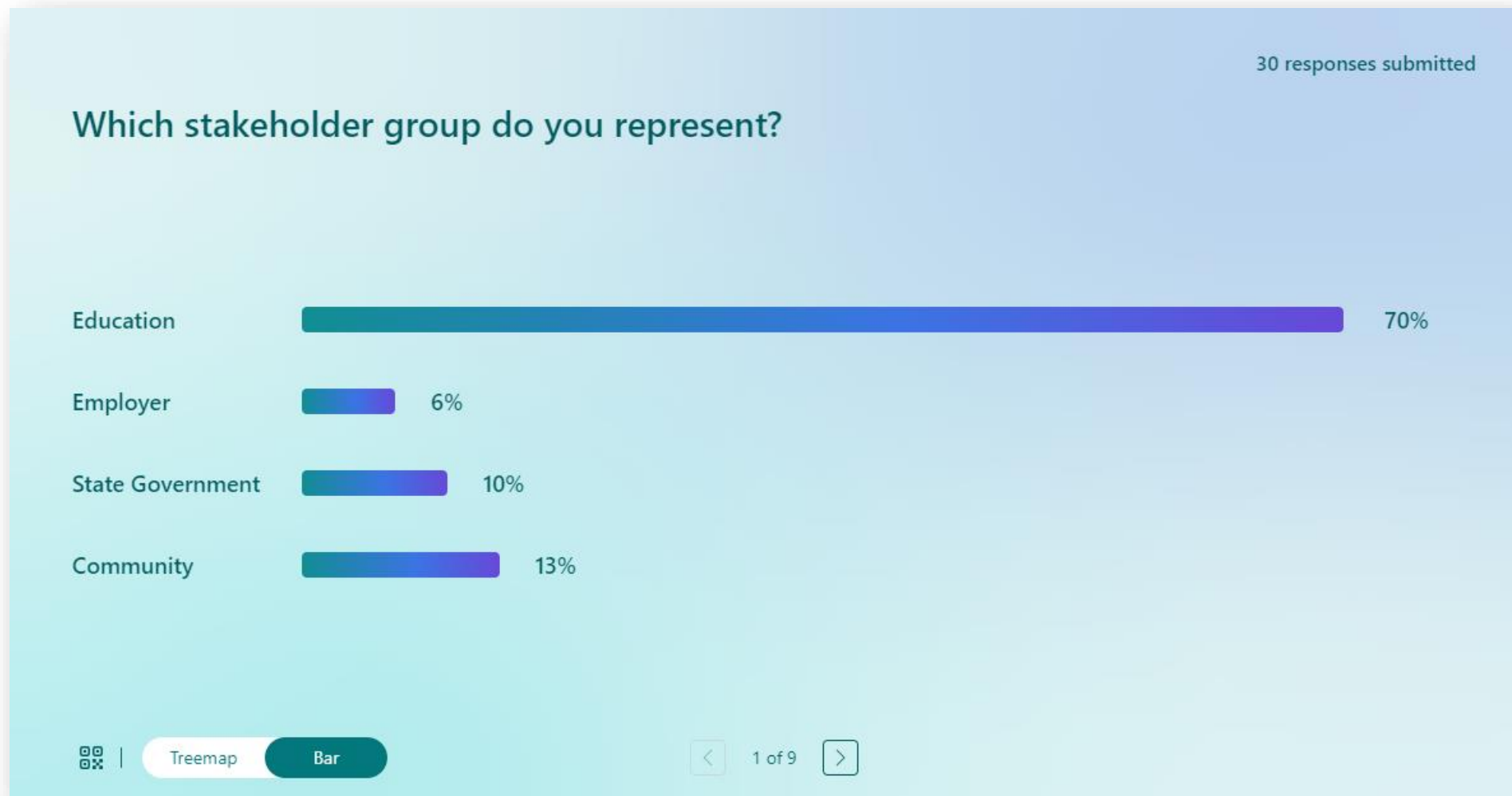- Digital Literacy Course

Discussion

Review of current landscape

Stakeholder Survey

Sent on September 18th to 4 main stakeholder groups

Stakeholder Survey

Positive feedback from education stakeholder groups, primarily citing professional development.

WDC and Individual Feedback

In person meeting with 4 main questions also included on survey:

Do you know the purpose of STEM AC?	What are the top 3 benefits of STEM AC?
Teach kids and encourage toward STEM	K-12 Activities and relationships
Engage children in career pathways	STEM resources for educators
Purpose to be part of larger system but hasn't transpired	Extern Program
Teaching Training / Professional Dev.	Raise awareness / connections for STEM
STEM Designated schools	Organize and gain investments from key partners
Unsure of difference between Foundation, other agencies, STEM Ecosystem	Central coordinator of STEM
Raise awareness / drive influence for STEM	Educating the educators
Connections to workforce	

WDC and Individual Feedback

In person meeting with 4 main questions:

Do you see / feel the impact?	Positives and Negatives about moving STEM AC within WDC?
Limited, liked P3	WDC can elevate that CTE is STEM
Yes, Extern program	Brings WDC closer to K-12
Limited, divide between STEM & CTE career paths	Combines similar purposes, opportunity to improve pipeline
Limited, need to reduce academic elitism associated with STEM	STEM AC can benefit from WDC relationships
Yes, career awareness	WDC mission creep
Limited, would be good to have repository of resources	Possible confusion about 2 entities
Yes, especially improving rural school access to programs	Negative to move under "as-is" positive if we rethink systems approach
Data is missing	
STEM Caucus missing	

Prior Years P3's and Donations

Public Private Partnerships (P3's)

FY Year	Total	STEM AC	Program Partner Contributions
2018	$104,858.16	$41,475.00	$63,383.20
2019	$1,507,687.47	$575,604.84	$932,082.63
2020	$1,743,657.20	$757,577.20	$986,080.00
2021	$1,811,366.50	$544,231.30	$1,267,135.20
2022	$1,934,590.00	$504,686.75	$1,429,903.25
2023	$987,167.00	$385,872.00	$601,295.00

Donations received for STEM AC

| FY Year	Amount
2018	--
2019	$303,000.00
2020	$458,241.69
2021	$316,569.86
2022	$446,809.73
2023	$291,450.59
2024	$123,951.42
2025	YTD: $77,807.00

Recommendations

Prompting Questions:

1. What is working well right now?

2. Are our goals still relevant? What problem are we trying to solve?

3. What does success look like in 1 – 3 years?

4. What is our value proposition?

Computer Science Education Week

Partner with us to bring industry partners to you school during **December 9-15, 2024**
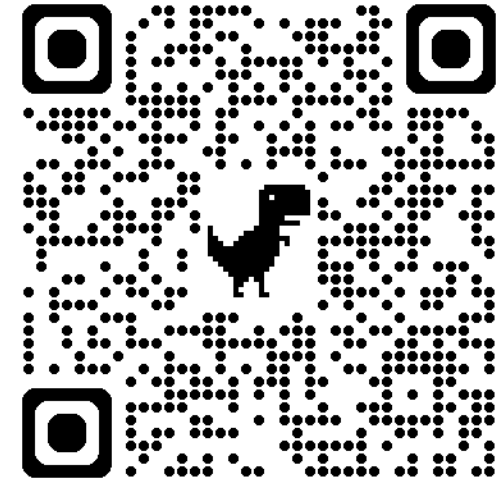
Idaho STEM Action Center

GOAL #1: Increase awareness of the importance of STEM + CS education and employment pathways

- Communications
    - Social, conference sponsorships, speaking engagements
- Ecosystem contract
    - Engages partners to foster transformative STEM learning experiences and expand career pathways in every Idaho community.
- i-STEM
    - Summer professional development opportunity for educators focused on improving access to effective STEM learning opportunities in collaboration with industry

GOAL #2: Increase pursuit of STEM pathways across Idaho

- STEM School Designation
    -Legislation
    - 11 schools, 3 currently going through process
- STEM Diploma / STEM Scholarship
    -High school seniors in Idaho who earn a STEM Diploma are eligible to apply for one of ten, $3,000 scholarships provided they will be attending an Idaho public, post-secondary institution, including career technical school
- Idaho Science and Engineering Fairs
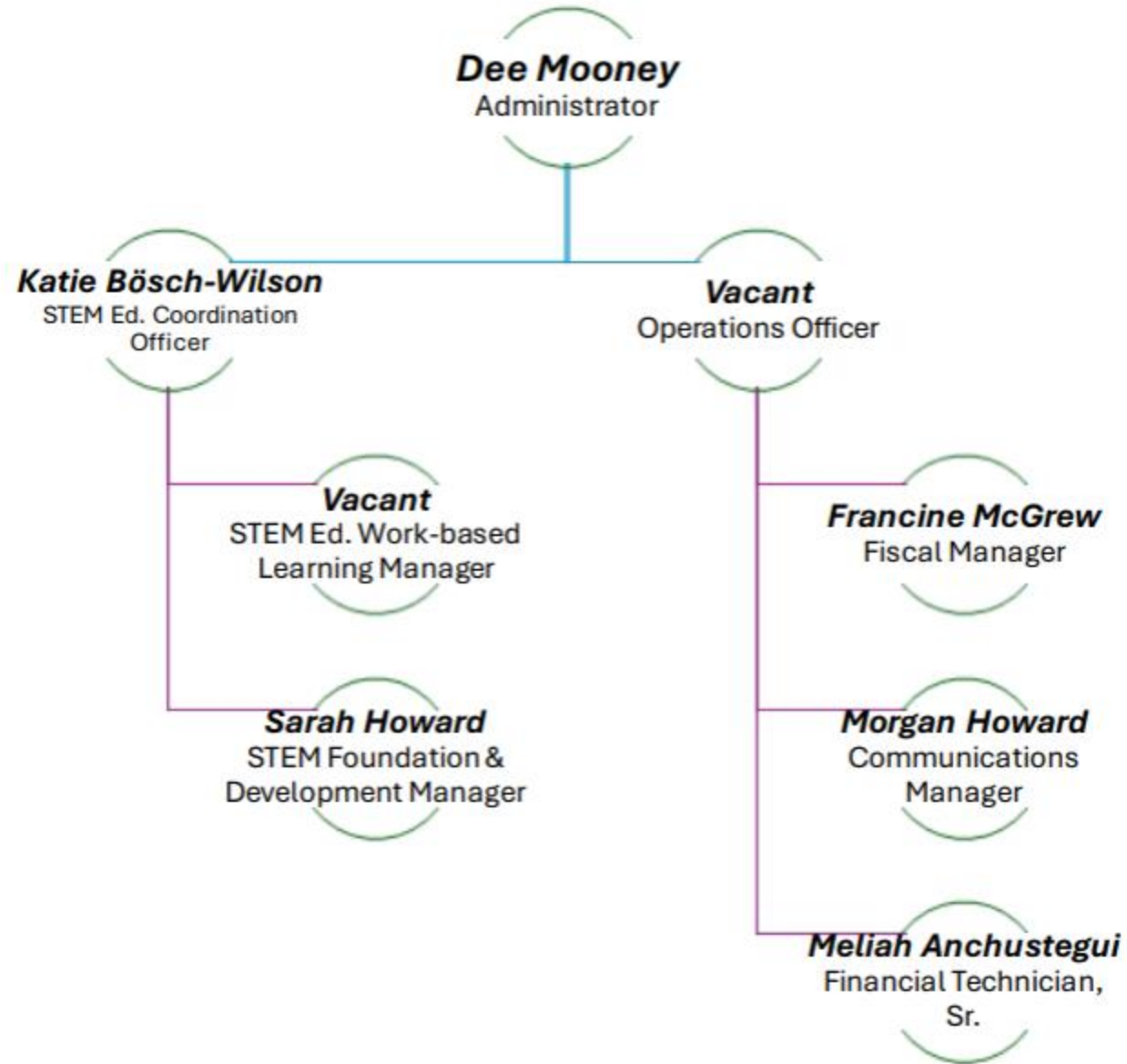- STEM AC Grants Program

GOAL #3: Align STEM + CS education with workforce needs

- Externships
  - Places educators into workplace experiences during summer months
- Computer Science Initiative
  - Legislation to adopt computer science content standards, provide professional development to help teach computer science, maintain repository of instructional resources, distributing grants, opportunities for internships,

Dee Mooney
Administrator

Katie Bösch-Wilson
STEM Ed. Coordination Officer

Vacant
Operations Officer

Vacant
STEM Ed. Work-based Learning Manager

Sarah Howard
STEM Foundation & Development Manager

Francine McGrew
Fiscal Manager

Morgan Howard
Communications Manager

Meliah Anchustegui
Financial Technician, Sr.

STEM AC and WDC Integration

- STEM AC's mission and vison well aligned with WDC's and STEM AC's programs can fit into the workforce pipeline

- Need to review overlapping functions – finance, contracts / agreements

- Cost savings used to extend current Ecosystem contract

- Strategic fundraising phased out * and any grant making activities will be absorbed by WDC….Industry Grant Program.

- Career exploration starting in younger grades…