Strategic Planning Session #3

THE HOW

How would you describe the work done by STEM AC?

- Connect
- Leverage
- Support
- Educate
- Inform
- Connect
- Provide
- Enrich
- Promote
- Equity
- Access
- Collaborate
- Connect
- Support
- Get more students in STEM

How would you describe Organization X?

- Informational
- Statewide
- Nimble
- Strategic
- Financially robust
- Regionally invested
- Connector
- Rapid response capability
- Industry association
- Bully pulpit
- Authority on promising practices
- Advocate/Champion/Influencer
- Coalition-builder
- Risk-comfortable(?)
- Independent
- Forward Thinking

Org. X = The organization best suited to meet the needs of STEM in Idaho

How does STEM AC differ from Organization X?

- We don't deploy as strategically as Org. X would. We operate more on a reactionary basis.
- We are not as financially robust as we would like to be
- We have political and financial restrictions
- We can take calculated risks founded in promising practices and truth. This includes courage to fulfill mandates in our legislation.
- Statewide, Connector, Collation Builder (stem ac – by default, org x – intentional in filling gaps in connection)
- Org X is operating with more precision and efficiency
- We are not using our full ability to communicate/inform with targeting messaging and we are not leveraging our networks/partners to support this communication
- Org. X collects effective data to inform decisions, evaluate programs, etc. and has time to use the data appropriately and effectively

How do we become Org. X?

- What do we change to be organization X?
- Can work done by organization X be done by another organization?
- Can work done by STEM AC currently be done by another organization?
- Can we effectively implement the components of organization X with what we do now?

STEM AC

- **Coordinate** all state departments on STEM-related activities
- **Perform industry needs and education process foci** on industry career talent, gap analysis and needs assessment to lead future STEM teacher **professional development** activities and goals
- **Strategically engage** industry, business and public or government entities to **cooperate** with the STEM action center and **focus *outcomes and goals*** on workforce needs and opportunities
- **Identify** and **coordinate** best practices among public education and higher education
- **Align** public education STEM activities with higher education STEM activites
- **Support** *high-quality professional development* focused on *career readiness* and *talent development* and provide other assistance for educators and students
- **Work cooperatively** with SDE and SBOE to **define** and **implement** *pilot programs* and select schools to:
  - Further STEM education
  - Ensure that best practices are implemented
  - Integrated research and document results of that research
- **Engage** private entities to **provide** *additional funding* and/or *in-kind employee time* for STEM activities in schools supporting *industry career readiness* in addition to what is currently provided by private entities

Computer Science

- **Creating** *equitable access* to computer science resources and programs aligned with the state computer science content standards for teachers, administrators and students throughout the state
- **Collaborate** with the SBOE, CTE, STE, public higher education institutions and industry to **develop** a *communication plan* related to the CS initiative
- **Communicating** and **supporting** computer science *initiatives*, *programs*, *events*, *training* and *other promotions* throughout the state for the benefit of school districts, students, parents and local communities
- **Providing** for *professional development* in teaching CS by:
  - Developing resources for teachers and administrators relating to teaching computational thinking
  - Providing statewide, regional, online and blended professional development opportunities for school district staff
  - Partnering with entities such as IDLA, public higher education institutions and industry to develop, deliver and provide professional development in computer science for teachers
- **Collaborate** to **create** technical secondary and postsecondary *courses of study* in areas related to CS that **meet** *workforce needs*
- **Creating** *opportunities* for schools to **partner** with local companies to **provide** for student and teacher *mentoring* and *internships* in the computer science field
- **Maintaining**, **using** and **enhancing** access to an *online portal* or repository of *instructional resources* that:
  - Is available for public school districts and public charter schools to use as a resource
  - Includes high-quality CS instructional resources that are designed to teach K12 students computational thinking skills and are in alignment with the state CS content standards
  - Leverages existing online resources and portals developed by state and governmental entities
  - Allows for collaborative contribution and sharing of resources by teachers, administrators, parents and students