This meeting is being recorded

- This convening is being recorded to provide reference data to develop the Idaho STEM Ecosystem. This information will not be made public but will be kept on STEM AC’s internal servers.
- Chats are NOT being recorded.
Agenda for Sept 17

- Welcome and Virtual icebreaker (10-15 mins)
- Framing the goal of the meeting (20 mins)
- Survey data presentation (15 mins)
- Break (5 mins)
- Discussion and feedback on survey findings (45 mins)
- Communication & Communication Strategy Discussion (15 mins)
A STEM ecosystem provides the structure for cross-sector partnerships to improve STEM literacy, ensuring a strong workforce and global competitiveness for all.
Basic Zoom Tips & Controls

ECOSYSTEM PLANNING MEETINGS
Basic Zoom Controls

The control panel will appear at the bottom of your screen.

- **Mute/Unmute:** This allows you to mute and unmute your microphone
- **Start/Stop Video:** This allows you to start and stop your own video.
- **Participants:** This opens up your participants window so you can see who is in the meeting
- **Chat:** This opens up the chat feature. You can chat with the host, everyone, or send a private chat
- **Share Screen (Enabled for Hosts Only):** Click on this icon to start sharing your screen. You will be able to choose an application or a screen you would like to share.

**Note:** the controls will sometimes auto-hide, so you may have to ‘mouse-over’ the bottom of the screen
Additional Zoom Controls

➢ **Closed Captioning:** To enable, click the closed captioning icon and choose “show subtitles”.

➢ **Reactions:** Allows you to ‘react’ using emojis (ie thumbs up, happy face, clap). Any Reactions you choose will show up in your individual picture window. Reactions are different than the non-verbal feedback icons. See next slide for details.
Zoom Nonverbal Feedback

- **Nonverbal Feedback**: To enable, click your ‘participants’ button and locate the nonverbal buttons at the bottom of the breakout window.

- **Raise Hand**: Simply click the raise hand icon and our moderators will be notified. Your hand will stay raised until your question has been addressed.

- **Yes/No**: When asked a simply question, you can click the Yes or No icons to answer.

- **Go Slower/Faster**: During a presentation you can ask the presenter to go faster or slower based on your experience.
Additional Chat Controls

➢ **Chat Feature:** Once you opened the chat feature, you can chat with the host, everyone, or send a private chat. See below for a screenshot example.

![Chat Feature](image)

- **Everyone:** Will broadcast your chat to everyone in the room
- **Host:** Will only broadcast your message to the meeting host
- **Private:** You can select an individual to chat with by selecting their name. Your chat will be sent as private and you will see a (private) next to the chat.
Online Technical Support During Meetings

**Technical support:** Support moderators will be on hand during the meetings and can be accessed through the chat feature. Look for the moderators with “Tech Support” in their name. For all additional technical support questions please call (208) 376-0464.

For more information regarding this event please visit [https://stem.idaho.gov/idaho-stem-ecosystem/](https://stem.idaho.gov/idaho-stem-ecosystem/)
Meeting Norms

- We participate as equals with shared responsibility for the outcomes
- We communicate openly, honestly, and respectfully
- We listen as allies
- We stick to the agenda
- We have no hidden disagreements or questions; if we disagree, we do so with grace and tact
- We help each other learn
- We show up on time and prepared
ICE BREAKER

Introduction to Sli.do

1. What are you most looking forward to in 2021?
2. In one word, what have you learned since February?
Intended Outcomes

Develop an action plan outline for Idaho, including identification of goals, metrics, governance structure/leadership, and communication (per the NSF grant).

Learn about an upcoming planning grant opportunity

Understand EcosySTEM Commitment statements

Provide guidance to STEM AC on Communications for the EcosySTEM

Review Ecosystem Survey Data: present preliminary data and help fill in gaps and/or blind spots

Learn about a new ecosystem initiative-Think Make Create mobile makerspace trailers!

Revisit our shared understanding of our EcosySTEM history and aspirations

Review

Learn about

Provide

Understand

Learn about

Develop
Idaho EcosySTEM Timeline & Overview

- **Summer 2019**: STEM AC applied to become a STEM ecosystem
- **Oct. 2019**: STEM AC received funding through STEMx for convening
- **Nov. 2019**: 2020: Working groups meeting regularly
- **Jan. 2020**: STEM AC received funding through STEMx for convening
- **Feb - Present 2020**: First Idaho EcosySTEM Convening
- **May 2020**: Received NSF INCLUDES Planning Grant to focus on EcosySTEM goals, metrics, communication, & leadership
- **Aug. 2020**: EcosySTEM Survey released
- **Today**: Discussion of survey results & prep for Oct 30 gathering
- **30 Oct. 2020**: Whole group convening & discussion
Guiding Aspirational Statement from January Convening

The Idaho STEM Ecosystem will foster the integration of STEM in the educational experiences of all Idahoans, leading to the creation of problem-solvers and critical thinkers who will sustain and lead the Idaho economy of the future.

Idaho STEM Ecosystem Design Studio

Intended Outcomes
- Develop a shared understanding of the importance of ecosystem approach to goals
- Craft shared goals, aspirations, indicators of success for Idaho STEM Ecosystem
- Identification of constraints that stand in the way of success for Idaho
- Development of outline of action plan for Idaho, including identification of priorities, work groups, general governance structure and timeline

January 16, 2020 | Boise State University
Framing the Goal of the Meeting

What do you hope the Idaho STEM Ecosystem can do for you, your organization, and/or your region?

- Funding for STEM opportunities
- Networking with other STEM educators and professionals
- Stronger connections between in and out of school education opportunities
- Stronger connections between PK12 education and higher education/career opportunities
- Discussion and work related to policy and governance
- Other
SURVEY DATA PRESENTATION

15 mins - Survey data presentation - what we’ve learned so far

- **Note:** More complete data is still forthcoming - this is a preliminary overview to help facilitate discussion

- Data overview of Likert scale questions, highlights from open-ended/list responses; including regional comparisons

- Next steps are focus groups & interviews – more info coming soon
Who gave input?

In which geographic region is your organization located?

<table>
<thead>
<tr>
<th>Region</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Region 1</td>
<td>3%</td>
</tr>
<tr>
<td>Region 2</td>
<td>10%</td>
</tr>
<tr>
<td>Region 3</td>
<td>42%</td>
</tr>
<tr>
<td>Region 4</td>
<td>10%</td>
</tr>
<tr>
<td>Region 5</td>
<td>15%</td>
</tr>
<tr>
<td>Region 6</td>
<td>14%</td>
</tr>
<tr>
<td>Statewide</td>
<td>6%</td>
</tr>
</tbody>
</table>
Who gave input?

Which geographic region(s) does your organization serve?
Who gave input?

Which description best fits your organization?

- Pre-k education: 9
- K-5 grade education: 25
- 6-8 grade education: 27
- 9-12 grade education: 35
- Postsecondary education: 19
- Idaho Tribe/Tribal Program: 1
- Advocacy group: 1
- Minority-serving organization or group: 3
- Out-of-school program: 6
- Business/industry: 6
- Government: 16
- Nonprofit: 13
- Other (please specify): 14

Which age ranges does your organization primarily impact?

- Pre-k learners: 23
- Elementary students: 47
- Middle school students: 50
- High school students: 62
- Postsecondary students: 31
- Professionals/workforce: 28
- Retirees: 6
- Other (please specify): 5
### Strongest STEM supporters or implementers in your community

<table>
<thead>
<tr>
<th>Industry</th>
<th>Post-secondary</th>
<th>STEM AC</th>
<th>OoS</th>
<th>School</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>29%</td>
<td>17%</td>
<td>8%</td>
<td>18%</td>
<td>13%</td>
<td>15%</td>
</tr>
</tbody>
</table>

#### Industry
- Boise Idaho State College of Business
- STEM Action Center

#### Post-secondary
- College Health programs
- High School Health programs

#### STEM AC
- Idaho State University

#### OoS
- Idaho Falls Power

#### School
- Idaho State University College of Science and Engineering

#### Other
- Idaho State University Office of Institutional Effectiveness
- Boise State Community College
- STEM AC

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**Note:** The list includes various organizations and institutions contributing to STEM education and support in Idaho. The percentages indicate the likelihood of different types of support, with Industry being the strongest and Other being the least strong. STEM AC (STEM Action Center) is highlighted as a significant supporter in both the Industry and School categories.
<table>
<thead>
<tr>
<th>My community knows what STEM <strong>means</strong>.</th>
<th>My community shows <strong>interest</strong> in STEM.</th>
<th>My community <strong>values</strong> STEM skills.</th>
<th>STEM <strong>careers</strong> are available in my community.</th>
<th>My community understands that STEM is important to its <strong>long-term</strong> economic health and prosperity.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.94</td>
<td>4.01</td>
<td>4.09</td>
<td>3.98</td>
<td>3.67</td>
</tr>
<tr>
<td>78.85%</td>
<td>80.19%</td>
<td>81.73%</td>
<td>79.62%</td>
<td>73.40%</td>
</tr>
<tr>
<td>0.87</td>
<td>0.83</td>
<td>0.81</td>
<td>0.97</td>
<td>0.95</td>
</tr>
<tr>
<td>My community has available <strong>infrastructure</strong> to support STEM opportunities.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------</td>
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<td>------------------</td>
<td>------------------</td>
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</tr>
<tr>
<td>My community has <strong>technology</strong> available to support STEM opportunities.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>My community has <strong>funding</strong> available to support STEM opportunities.</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>My community has <strong>human power</strong> available to support STEM opportunities.</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>My community has <strong>leadership</strong> available to support STEM opportunities.</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.53</td>
<td>3.54</td>
<td>3.24</td>
<td>3.61</td>
<td>3.73</td>
</tr>
<tr>
<td>70.58%</td>
<td>70.87%</td>
<td>64.71%</td>
<td>72.12%</td>
<td>74.56%</td>
</tr>
<tr>
<td>0.99</td>
<td>0.97</td>
<td>1.05</td>
<td>0.95</td>
<td>0.87</td>
</tr>
</tbody>
</table>
Intro of Think Make Create as Possible Ecosystem Project

Followed by 5 min- Break with TMC Video
Welcome Back – Time for a Giveaway!
“Who am I” Game

We will show you a series of images.

After the 1st image, we will provide a clue after each corresponding image until someone guesses correctly.

The first person to guess the image correctly will win a prize!

You must submit your answer through the chat (make sure “everyone” is selected).

Only one answer per person...so choose your answer carefully.
Who Am I?
I am powered by the Sun.
My real name is: Waste Allocation Load Lifter Earth-Class
I am...
WALL-E
Discussion and Feedback on Survey Findings

Discussion questions/ideas:

▪ What are your initial thoughts about the quantitative survey data?
▪ Does it reflect or differ from your experience in your community?
▪ What is incomplete, unclear, or missing?
▪ Are there any questions or topics we didn’t ask, but should?
Working Group Updates

1. **Educator Preparation, Training & Support** - Focusing on finding new and better ways to prepare and support PreK-20 educators in STEM education. Building a database of available professional development opportunities for formal and informal educators in Idaho and working on developing materials to showcase the value of implementing STEM education in all disciplines.

2. **Career Pathways & Exposure** – Focusing on further developing clear STEM career pathways for Idaho’s youth. Building a database of resources to broaden awareness and assist in career pathways and exposure. The intent is to share the database with the larger asset mapping project.

3. **Outreach & Communications** – Focused on newsletter and website as primary mechanism for communication to partners. Provided feedback bright spots for the newsletter and website. Reviewed and provided guidance on survey data.

4. **Access and Equity** – Recently completed an educator survey to develop “persona mapping” of underserved student populations. Launching survey shortly and will share out results. Our goal is to identify barriers to access and develop strategies to overcome.
Current modes of communication:
- Newsletter;
- Working groups;
- Website;
- Convenings/Meetings

Discussion topics/questions:
- How often do you want to hear from the EcosySTEM?
- What would make communicating with the EcosySTEM easier for your organization?
- What is the best way for STEM AC to find out information about your organization?
- Who from your community is not at the meeting or in the EcosySTEM that should be?
Wrap Up

**Today:** History & Quantitative Data

**Tomorrow:** Qualitative Data by Region plus grant opportunity and more!!

That’s all Folks! See you tomorrow!