

Asset Mapping

I-STEM 2021 GENERAL SESSION D
START TIME: 4:25PM

Welcome!

Please make sure you have the following materials gathered prior to the start of the workshop:

- Large piece of paper or 2-4 pieces of paper taped together
- Colored pencils, crayons or markers
- Pen or pencil

Session Goals:

- ▶ Identify assets for STEM learning in your local community and how they can help your students
- ▶ Create a visual “map” of these assets to help see the big picture
- ▶ Explore shared values as a strategy for approaching and engaging potential partners
- ▶ Leave the workshop with a resource you can use



Part One: Asset Mapping Worksheet

WORKSHEET: ASSETS FOR STEM LEARNING IN YOUR COMMUNITY



Asset = Any entity that has the potential to support STEM learning in some way. For each category, make a list of the assets in your community.

Individual

Residents of the community with particular skills, knowledge, experience or resources (beyond their affiliation with a particular organization or group)

Associations

Groups or associations primarily run by volunteers, such as churches/fair-based groups, athletic clubs, fraternal clubs, parent-teacher groups, etc.

Businesses

Any entity that conducts local economic activity and provides jobs

Institutions

Public and private institutions and organizations such as schools, libraries, cultural centers, government agencies and non-profit organizations

Place-Based

Physical places such as lakes, rivers, dams, watersheds and geological phenomena

Access the Digital
Asset Mapping
Worksheet → Click
to download the
PDF in the chat

Community Assets: Types

Individuals

Associations

Institutions

Businesses

Place-Based

Individuals

Residents of the community with particular skills, knowledge, experience, or resources (beyond their affiliation with a particular organization or group)

- *Ex. A retired engineer*



Associations

- Groups or associations primarily run by volunteers, such as churches/faith-based groups, athletic clubs, fraternal clubs, parent-teacher groups, etc.
- *Ex. RC club*



Institutions

Public and private institutions and organizations such as schools, libraries, cultural centers, government agencies, and non-profit organizations

- *Ex. Public library*



Businesses

Any entity that conducts local economic activity and provides jobs

- *Ex. Schweitzer Engineering Laboratory*



Place-based

Physical places such as lakes, rivers, dams, watersheds, and geological phenomena

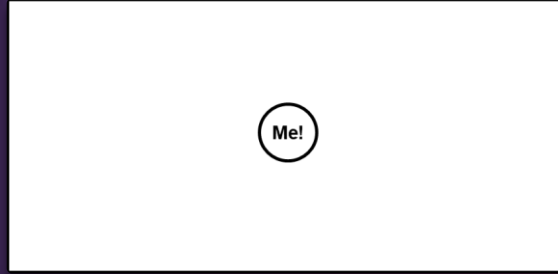
- *Ex. Craters of the Moon*



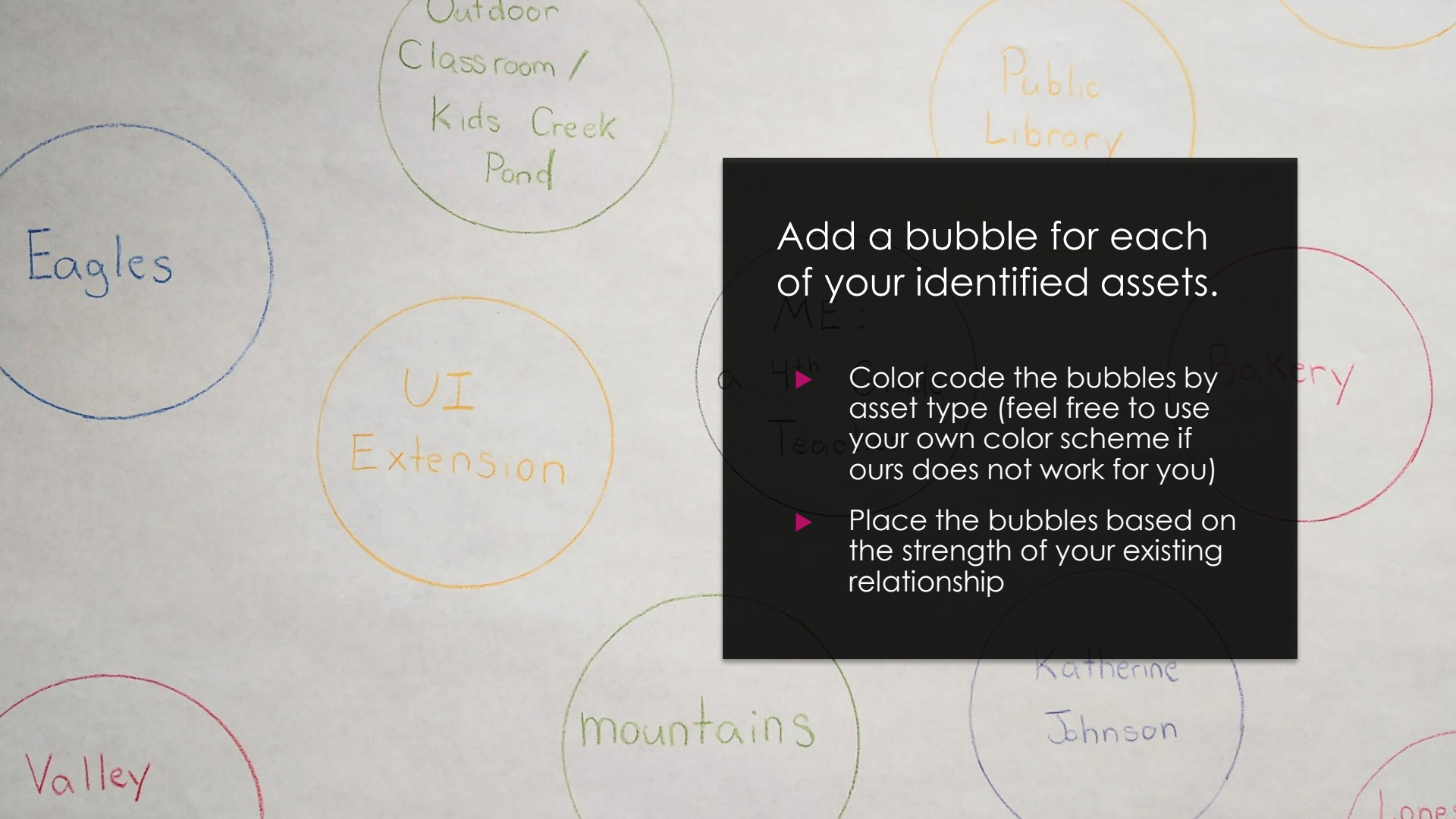


Five minutes to work on
your own -- please ask
any questions in the
chat!

Part Two: Asset Map

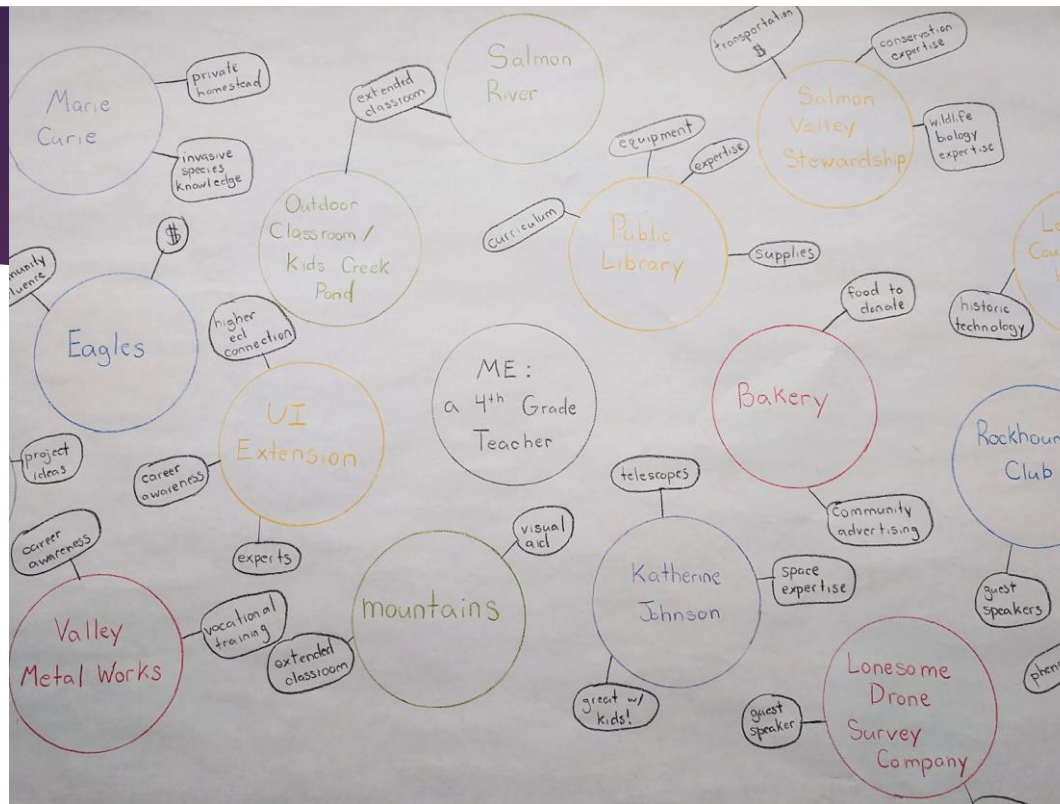


Draw a circle shape at
the center of your
paper to represent you
/ your organization:



Add a bubble for each of your identified assets.

- ▶ Color code the bubbles by asset type (feel free to use your own color scheme if ours does not work for you)
- ▶ Place the bubbles based on the strength of your existing relationship



Add nodes to your bubbles indicating the specific resources or support each asset has to offer.

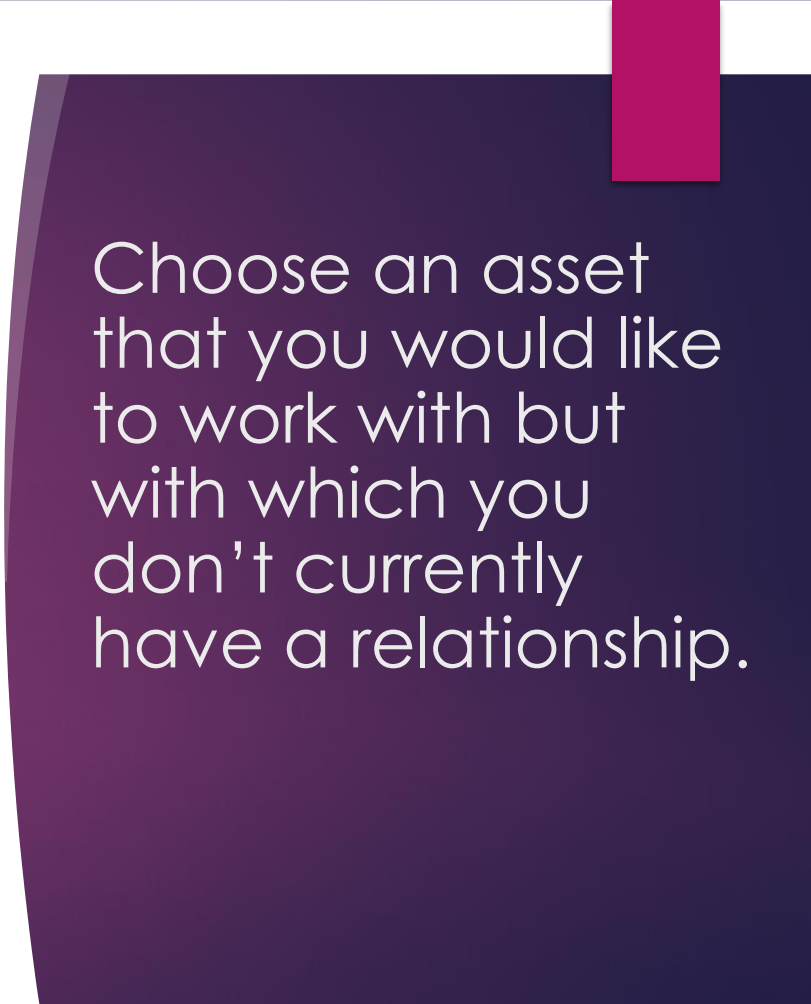
Examples of Resources/Support:

- ▶ Donations: funds, food, supplies, in-kind, etc.
- ▶ Career Awareness: examples of STEM jobs/fields and diverse role models in those fields
- ▶ Tools & Equipment: telescopes, 3D printers, legos, soldering irons, power tools, machinery, etc. that students can access and use
- ▶ Extended Classroom: opportunity for students to conduct field work and/or see how concepts apply in the world beyond the classroom/learning space
- ▶ Connections: to non-local resources and funding, local policymakers or hard-to-reach students & families
- ▶ Expertise: subject-matter experts or skilled practitioners who can work directly with your learners or advise on curriculum design

Part Three: Values Charting

The logo consists of a large red circle with the text "Valley MetalWorks" centered inside it in a red, sans-serif font.

Valley MetalWorks

A dark purple rectangular box with a pink tab at the top right corner. Inside the box, white text is written in a sans-serif font.

Choose an asset
that you would like
to work with but
with which you
don't currently
have a relationship.



Click the link in the chat to
access the Values Chart Slide:

Select File >> Make a Copy to
save to Google Slides OR
Select File >> Download >>
Microsoft PowerPoint to
download to your device as
a .pptx file

always values

ME

never values

[ASSET NAME HERE]

always values

literacy

resilience

inclusion

workforce training

accessibility

recreation & sport

arts & culture

family

child welfare

community dialogue

education

conservation

digital literacy

health & wellness

faith

tradition

global citizenship

innovation

civic engagement

service

[other: type here]

[other: type here]

Reflection

Did this exercise prompt you to see your community and/or specific partners in a new light? If so, how?

Are some asset or opportunity types more prevalent in your community than others? How can you address this disparity?

What are the advantages to a "shared values" approach to partnership? What limitations do you see?

Do values always translate into action? How does this affect partnership?

Did this inspire any new ideas about partners for your education work?