



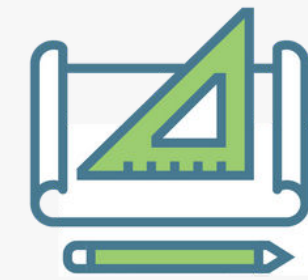
**Idaho
Out-of-School
Network**



Think



Make



Create

LABS

© 2018 Nebraska Children and Families Foundation | Beyond School Bells

TMC Labs

Idaho's Mobile Makerspaces

Empowering STEM

PROJECT PURPOSE



Idaho's **Think Make Create** (TMC) Labs are mobile makerspace trailers, operated by schools and community-based organizations, providing robust, hands-on STEM education, tools and curricula for all K-12 youth. The program provides a flexible platform for communities to tailor it to their own needs, leveraging local resources to build more STEM career pathways across Idaho.

➤ GOAL 1

Increase hands-on experience of rural and underserved youth with skills related to STEM.



➤ GOAL 2

Increase professional experience of educators in rural and underserved communities leading hands-on activities.

➤ GOAL 3

Increase community engagement supporting STEM learning and workforce development.



WHAT IS A MAKERSPACE?

A place where hands-on, self-directed and inquiry-based activities help kids learn, especially those that don't always succeed in a traditional classroom setting. Makerspaces are places for exploration and self-discovery.

WHAT IS A TMC LAB?



- A mobile, pop-up platform for STEM activities, materials and curriculum.
- Can be embedded in under-served and rural communities.
- Reaches kids both in schools and in afterschool programs.
- Helps kids learn how to make things, gain confidence and see themselves as young engineers or scientists.
- Uses research-based transformative practices to maximize student success.

Why Mobile Makerspaces Matter in Idaho

- Idaho's economic future depends on expanding STEM jobs.
- Rural and underserved communities lag behind in STEM opportunities.
- TMC Labs leverage local resources and are flexible enough to meet unique local needs.





CURRENT PROJECT STATUS

- TMC Leadership Team successfully launched the first 16 labs in May 2021.
- More than 25,000 youth have used the labs so far.
- Each month, approximately 1,000 K-8 youth use TMC Labs.
- 28 TMC Labs will be on the road in 2023.

PROJECT PARTNERS



2023 PROJECT NEEDS



➤ **1. Financial support for TMC Lab "pioneers," expanding STEM education in their communities.**

➤ **2. Professional development and mini-grants for TMC labs operating in new locations.**

➤ **3. Build new labs in priority areas. Each lab could reach 1,000 more youths.**

➤ **4. Create new TMC activities for middle and high school youth, TMC "On the Go" kits, and cradle-to-career youth mentorship programs.**



Join Us!

TMC labs are most successful when used both by school and out-of-school programs.

You can:

Attend a TMC training.

Join our Shop Talk Zoom meetings.
Sign up to have a TMC Lab visit you.



Idaho
Out-of-School
Network

POTENTIAL IMPACT

20,000 youth per year is a good start!

With more communities, TMC could reach 3 times as many youth.

With more frequent engagement, TMC will have a greater impact.

The TMC project is a key strategy for increasing educational capacity in Idaho -- Potentially engaging as many as 200,000 community members in STEM learning.



HOW TO PLUG INTO TMC

- Pave the Road Sponsors - need 2 (\$30,000 when matched by STEM AC) to cover basic infrastructure for program including....
- Lead Sponsorship for new labs - need 5 - (\$20,000 when matched by STEM AC)

HOW TO PLUG INTO TMC CONTINUED



- Conestoga Partners: - need 10 - Support a currently deployed "pioneering TMC lab hosts" to expand STEM education in their communities (\$15,000 when matched by STEM AC).
- Launch Boosters - need 6 - To support professional development of educators associated with a new TMC lab and ramp up operations for recently launched labs. (\$8,000 when matched by STEM AC)