

# Think Make Create (TMC) Works!

## Project Overview

A Workforce Development Council Project



### SUMMARY:

*Youth Teaching Youth:* This project trains STEM Ambassadors and STEM Supervisors to plan, prepare and lead hands-on, inquiry-based activities with young children in out-of-school time programs. Program participants develop workplace and STEM skills through mentorship relationships between experienced STEM Supervisors and inexperienced STEM Ambassadors, and between STEM Ambassadors and the youth they teach.

This project is funded through an Idaho Workforce Development Council Innovation Grant. It is led by the Idaho Out-of-School Network as an extension of the TMC Labs project.

### CURRENT STATUS:

As of January 2025, the Idaho Out-of-School Network has reached one-third of the enrollment goal for TMC Works. ION is supporting existing sites and participants, as well as selecting new sites for TMC Works. Worksite in turn recruit teens and adults (ages 14+) to serve as STEM Ambassadors who facilitate STEM activities with youth in out-of-school time programs. Sites also recruit experienced employees to serve as STEM Supervisors to train and coach the Ambassadors.

### GOAL:

The project aims to support STEM learning at out-of-school time (OST) programs, empower OST professionals to enhance their own STEM and workplace skills, and increase STEM literacy in Idaho's workforce. To achieve these goals, STEM Ambassadors and Supervisors undergo 20 hours of training and dedicate 80 hours to facilitating STEM programs with youth.

### BENEFITS FOR STEM AMBASSADORS AND SUPERVISORS:

- \$750 stipend
- 20 hours of training in STEM education and TMC Labs resources
- Experience developing and leading STEM programs
- Exposure to STEM career pathways
- Selected participants attend and showcase their learning at ION's annual conference
- Develop in-demand job skills such as:
  - Problem solving
  - Collaboration
  - Creativity
  - Communication
  - Science and Engineering Practices

### BENEFITS FOR WORKSITES:

- \$1,050 per Ambassador and Supervisor for administrative costs
- up to \$400 per STEM Ambassador for program supplies.
- Better qualified employees
- Improved STEM programming

## Project Scope:

Trainee Type	Training Hours Required	Placement Hours Required	Total Required
<b>STEM Ambassadors</b>	<b>20 hours TMC Training</b>	<b>80 hours Pre-apprenticeship</b>	<b>100 Hours</b>
<i>Includes: OST Teen Participants, Employees or Volunteers aged 15 and up.</i>	<i>Training includes: In-person TMC training; TMC virtual training; Virtual TMC training on ION Learning Academy (STEM Ambassador track) or other online platforms</i>	<p><b>Pre-Apprenticeship Placement hours may include:</b> work hours required by worksite to meet needs of the worksite. Selecting and preparing educational activities, materials and physical location for STEM educational activities. Leading STEM Activities with youth or community members, and clean up afterwards. Coordinating with supervisors and team members.</p> <p>Site visits to STEM employers and/or other places of employment for coaching, mentoring or connecting with employers. Placement hours may include other learning opportunities offered by employers in the community.</p> <p>Preparing TMC user reports. Preparing final pre-apprenticeship final project if assigned. Shop-Talk zoom calls and peer-cohort calls.</p>	
<b>STEM Supervisors</b>	<b>20 TMC Works Training</b>	<b>80 On-the-Job Training</b>	<b>100 Hours</b>
<i>Includes: Employees of OST program</i>	<i>Training includes: In-person TMC training; TMC virtual Training; Virtual TMC training on ION Learning Academy (STEM Supervisor track) or other online platforms; Shop-Talk zoom calls or one-on-one technical assistance calls;</i>	<p><b>On-the job Training hours include:</b> Operating the TMC Works program, calendaring and coordination of youth trainees, direct supervision and mentoring of youth, maintaining inventory and reordering supplies. Attending ION training programs such as BMI, Roundtables, Summit.</p> <p>Outreach and planning for site visits to STEM-related industries. Leading site visits to employers or places of employment. Follow-up on training opportunities identified in site visits or to better connect trainees to careers and specific employer-identified skills gaps in the community</p>	