THINK MAKE CREATE WORKS PROJECT OVERVIEW

SUMMARY:
This project trains teens and young adults (ages 14-21) to plan, prepare and lead hands-on, inquiry-based STEM activities with young children in out-of-school time programs. Program participants—called STEM Ambassadors—develop workplace and STEM skills, while explore future careers possibilities. They complete 10 hours of training and 40 hours of work-based learning, apply for a STEM facilitation micro-credential, and receive a $500 stipend.

The TMC Works Project is funded by the STEM Next Foundation's Exploring Career Connections (EC2) in STEM Initiative. *The EC2 program is 100 percent funded by the U.S. Department of Labor's Employment & Training Administration through awards totaling $3,299,928.* It is led by the Idaho Out-of-School Network in collaboration with youth programs across the state.

GOALS:

1. Empower Idaho's teens and young adults to enter their careers with skills for success.
2. Expose Idaho's teens and young adults to careers in STEM.
3. Reduce barriers to entry into STEM careers through partnerships with industry, workforce and education stakeholders.

CURRENT STATUS:
The Idaho Out-of-School Network is selecting program sites for the TMC Works project. Sites recruit teens and young adults (ages 14 to 21 at time of enrollment) to serve as STEM Ambassadors. Administrators and experienced educators at the host site support the STEM Ambassadors and their work. The Idaho Out-of-School Network provides training and support to sites and STEM Ambassadors. TMC Works is a certified Quality Pre-Apprenticeship with the Idaho Department of Labor.

BENEFITS FOR STEM AMBASSADORS:

1. $500 stipend
2. 10 hours of training in STEM education
3. Experience planning and leading STEM programs
4. Exposure to STEM career pathways
5. Opportunity to earn STEM Facilitation Micro-Credentials from the National Afterschool Alliance Selected participants attend and showcase their learning at ION's annual conference

Develop in-demand job skills such as:

- Science and Engineering Practices
- Problem solving
- Collaboration
- Creativity
- Communication
- Leadership

Idaho Out-of-School Network

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ProjectScope:

PROGRAM REQUIREMENTSforSTEMAMBASSADORS			
Candidates	Required Training	Required Experience	
	10 hours	40 hours	50 hours total
Employees, volunteers and/or OST program participants; ages 14-21 at time of enrollment	7 hours online: program orientation; facilitating STEM education; TMC Labs and TMC Works resources; facilitating STEM activities; child development; engineering design process; career exploration 3 hours in-person: planning, preparing and facilitating STEM activities; using learning goals; experiential learning.	STEM Ambassador experience includes: researching, selecting, planning and preparing educational STEM activities; facilitating STEM activities with youth, peers or community members; clean-up, reflection and reporting (TMC Labs user reports) after leading STEM activities; planning and coordinating with supervisors and team members. Career exploration experiences: Required: assigned career quizzes from Next Steps Idaho Optional: attend a presentation by a STEM professional; interview or Q&A with a STEM professional; site visits or job shadow with a STEM employer; attend a campus tour or presentation by a STEM program at a university, college or CTE program; attend a college and/or job fair with STEM programs or employers. Experiences should be documented and submitted to ION. Assessment: Formative: STEM Ambassadors reflect on their experiences leading STEM activities through reports, worksheets, group discussion and/or individualized feedback and coaching Summative: Participants apply for STEM facilitation micro-credentials from the National Afterschool Alliance by completing a Dimensions of Success observation or submitting a 15-minute video; post-program survey; respond to career and education questionnaire 6 months and 1 year after completion of program.	