TMC Works Professional Development

STEM Supervisor

TMC Works essential trainings (5 hours):

- Attend a one-hour orientation meeting. If unable to attend, watch recording of the meeting on ION's Learning Academy. After attending the orientation, STEM supervisors will be able to:
    - Recruit, choose and track STEM Ambassadors
    - Submit required documentation and forms
    - Purchase supplies and maintain program inventory
    - Schedule and supervise STEM Ambassadors
    - Direct STEM Ambassadors to online training
    - Find more information on worksite visit program, teen council and final projects
- Attend a 4-hour live (online or in-person) train-the-trainer session. After attending the train-the-trainers' session, STEM supervisors will be able to:
    - Lead STEM Ambassador training including:
        - Coach Ambassadors to write learning goals
        - Assist Ambassadors in preparing a STEM activity
        - Lead a mock-teaching session
    - Provide Ambassadors with educational resources
    - Observe and provide feedback to STEM Ambassadors

TMC Works asynchronous trainings (15 hours):

- Choose trainings based on professional interests or self-identified opportunities for growth.
- Site Administrators can also assign STEM Supervisors specific trainings.
- Training is tracked in the Idaho Out-of-School Network's Learning Academy.
- Certificates of completion for trainings taken on other platforms must be uploaded to individual's Learning Academy transcript to receive credit for the training. See video or PDF HERE for instructions.
- Better Kid Care classes: use code "APAH9F" to pay for on the platform. Email Amy at apost@jannus.org if code does not work.

TMC Works Training Menu

Topic	Learning Goal	Training Choices
TMC community engagement	Participate in the Think Make Create community of practice in order to learn more about STEM education from peers	- Attend TMC Shop Talk. Email Claire at csponseller@uidaho.edu to receive a calendar invitation and be added to the email list. - Attend the Idaho Out-of-School Network's annual conference, the Power Up! Summit on September 18 and 19, 2024 in Boise. Find more information and register HERE.
Mentoring STEM facilitators	Effectively supervise, coach and mentor STEM Ambassadors in facilitating STEM activities.	**Preparing yourself to Facilitate STEM** 2 hours - Use code "APAH9F" to pay for course - Platform: Better Kid Care (account required) - Proof of completion: Upload certificate or transcript into ION's Learning Academy - Topics: methods for prep, STEM methods, STEM learning processes, informal environments - Audience: front-line staff **Improve your Skills Working With Youth** 1 hour - Platform: Extension Foundation (account required) - Proof of completion: Upload certificate or transcript into ION's Learning Academy - Topics: experiential learning, career connections - Audience: program supervisors, computer science focus **Sparking Interest in STEM** 2 hours - Use code "APAH9F" to pay for course - Platform: Better Kid Care (account required) - Proof of completion: Upload certificate or transcript into ION's Learning Academy - Topics: getting kids interested in STEM and fostering excitement - Audience: front-line staff

Coaching workplace skills	Effectively supervise, coach and mentor STEM Ambassadors in workplace skills.	**Coaching with Head and Heart** • 2 hrs • Platform/proof of completion: ION's Learning Academy • Topics: coaching relationship, coaching model and procedures, listening and reflecting • Audience: any coach or supervisor **Employee Performance: Feedback** • 1 hr, 40 mins. • Platform/proof of completion: ION's Learning Academy • Topics: giving and receiving feedback, positive and constructive feedback, monitoring performance, communication styles, difficult feedback • Audience: New supervisors **Coaching: Coaching Diverse Employees** • 1 hr, 20 mins. • Platform/proof of completion: ION's Learning Academy • Topics: personality styles, motivation, building trust • Audience: New supervisors, business focus
Career Exploration	Support career exploration in STEM ambassadors. Help youth (ambassadors and young children) make career connections in their learning.	**Connecting to STEM Careers** • 2 hours • Use code "APAH9F" to pay for course • Platform: Better Kid Care (account required) • Proof of completion: Upload certificate or transcript into ION's Learning Academy • Topics: Exposure to careers, role models, connecting activities to careers • Audience: front-line staff **Career Pathways for Students** • Complete Introduction only for 2 hours (Basic Level certificate) • Complete entire course for 8 hours (Leadership Level certificate) • Platform: You for Youth Archive (account required) • Proof of completion: Upload certificate or transcript into ION's Learning Academy • Topics: knowing and exploring options, knowing what's required for college and career success

		• Audience: Program coordinators/directors ## Nurturing STEM Identity and Making Career Connections • 6 hours, live attendance required • Prerequisite: ACRES course "Asking Purposeful Questions" • Platform: ACRES • Proof of completion: Upload certificate or transcript into ION's Learning Academy • Topics: connecting youth to their role in STEM • Audience: afterschool front-line staff
STEM Practices	Understand and teach science and engineering practices and the engineering process using experiential learning.	## Modeling Science and Engineering Practices • 2 hours • Use code "APAH9F" to pay for course • Platform: Better Kid Care (account required) • Proof of completion: Upload certificate or transcript into ION's Learning Academy • Topics: Inquiry, engineering design, flexible thinking, stages of discovery and invention • Audience: front-line staff ## Facilitating Engineering Practices (ACRES) • 6 hours, live attendance required • Prerequisite: ACRES course "Asking Purposeful Questions" • Platform: ACRES • Proof of completion: Upload certificate or transcript into ION's Learning Academy • Topics: using and modeling the engineering design process • Audience: afterschool front-line staff ## Facilitating Science Practices (ACRES) • 6 hours, live attendance required • Prerequisite: ACRES course "Asking Purposeful Questions" • Platform: ACRES • Proof of completion: Upload certificate or transcript into ION's Learning Academy • Topics: Ensuring students are learning science practices when they do hands-on activities • Audience: afterschool front-line staff

		Make Math Engaging
		• 6 hours, live attendance required
		• Prerequisite: ACRES course "Asking Purposeful Questions"
		• Platform: ACRES
		• Proof of completion: Upload certificate or transcript into ION's Learning Academy
		• Topics: Integrating math into daily routines to build number sense and problem-solving skills
		• Audience: afterschool front-line staff
STEM skills	Explore and be able to explain the importance of team building, communication, creativity, and/or problem solving in STEM.	**STEAM from You for Youth** • 2 hours (Introduction, Chapters 1 and 2 ONLY) • Platform: You for Youth Archive (account required) • Proof of completion: Upload certificate or transcript into ION's Learning Academy • Topics: what is STEAM, why is it important, characteristics of STEAM activities, planning and implementing high-quality STEAM activities • Audience: educators in after-school programs (21st Century centers are after-school programs)
Learning Environments	Set up a safe and welcoming learning environment.	**Creating a Safe Space for STEM Learning** • 2 hours • Use code "APAH9F" to pay for course • Platform: Better Kid Care (account required) • Proof of completion: Upload certificate or transcript into ION's Learning Academy • Topics: supporting students' learning processes, encouraging trial and error, supportive environments, give and receive constructive criticism, resolve conflicts, accepting mistakes • Audience: front-line staff **Supportive Relationships and Environments (Idaho Building Blocks for Quality #2)** • 1 hour • Platform/proof of completion: ION's Learning Academy • Topics: welcoming environment, positive relationships and interactions, security and belonging • Audience: OST educators and program directors/coordinators **Youth Safety and Wellness (Idaho Building Blocks for Quality #8)** • 1 hour

		- Platform/proof of completion: ION's Learning Academy - Topics: safety, healthy, developmentally appropriate environments - Audience: OST educators and program directors/coordinators
Positive relationships	Model positive, inclusive relationships that lead to positive youth development	**Creating a Positive Learning Environment** 5 hours - Platform: You for Youth Archive (account required) - Proof of completion: Upload certificate or transcript into ION's Learning Academy - Topics: assessing program's culture and values, create a positive culture, positive student and staff relationships - Audience: Program directors/coordinators **STEM Equity Educators training** 2 hours - Platform: Techbridge Girls (account required) - Proof of completion: Upload certificate or transcript into ION's Learning Academy - Topics: equity, belonging, identity, power dynamics - Audience: all educators **Supporting Historically Marginalized Youth in STEM** 2 hours - Use code "APAH9F" to pay for course - Platform: Better Kid Care (account required) - Proof of completion: Upload certificate or transcript into ION's Learning Academy - Topics: societal barriers for marginalized youth, kids like STEM and they need exposure, representation, lack of resources - Audience: all educators, program managers/administrators **Responsiveness to Culture and Identity (Idaho Building Blocks for Quality #4)** 1 hour - Platform/proof of completion: ION's Learning Academy - Topics: safe and adaptive environments, personal identity - Audience: OST educators and program directors/coordinators

Youth Voice and Choice	Incorporate youth voice and choice into STEM Ambassador's experience and empower them to do the same in their STEM facilitation.	**Giving Youth Control** • 2 hours • Use code "APAH9F" to pay for course • Platform: Better Kid Care (account required) • Proof of completion: Upload certificate or transcript into ION's Learning Academy • Topics: youth self-determination, goal setting and decision making, encouraging youth creativity and exploration • Audience: front-line staff **Student Voice and Choice** • 8 hours • Platform: You for Youth Archive (account required) • Proof of completion: Upload certificate or transcript into ION's Learning Academy • Topics: program design that includes student voice and choice and responds to their academic needs • Audience: Program directors/coordinators **Youth Voice, Leadership, and Engagement (Idaho Building Blocks for Quality #3)** • 1 hour • Platform/proof of completion: ION's Learning Academy • Topics: empowering youth and giving them purpose through involvement in programing • Audience: OST educators and program directors/coordinators **Elevating Youth Voice and Choice** • 6 hours, live attendance required • Prerequisite: ACRES course "Asking Purposeful Questions" • Platform: ACRES • Proof of completion: Upload certificate or transcript into ION's Learning Academy • Topics: incorporating youth input into STEM activities • Audience: afterschool front-line staff

Asking (and answering) questions	Practice inquiry with STEM Ambassadors and help them investigate their own and other's questions.	**Minds-On Learning—Reflecting and Processing in STEM** • 2 hours • Use code "APAH9F" to pay for course • Platform: Better Kid Care (account required) • Proof of completion: Upload certificate or transcript into ION's Learning Academy • Topics: strategies for helping youth reflect on their learning, guiding discussions • Audience: front-line staff **Asking Purposeful Questions (Click2Science)** • 2 hours • Use code "APAH9F" to pay for course • Platform: Better Kid Care (account required) • Proof of completion: Upload certificate or transcript into ION's Learning Academy • Topics: asking different types of questions to help students analyze and problem-solve • Audience: front-line staff **Asking Purposeful Questions (ACRES)** • 6 hours, live attendance required • Platform: ACRES • Proof of completion: Upload certificate or transcript into ION's Learning Academy • Topics: asking different types of questions to help students analyze and problem-solve • Audience: afterschool front-line staff