

STEM Discovery 101 – Professional Development



Program Overview

STEM Discovery 101 is a one-day, onsite professional development experience designed specifically for schools that are beginning their STEM journey. This foundational training equips educators with the confidence, practical tools, and core understanding needed to successfully introduce STEM learning into their classrooms and makerspaces.

Led by a 1st Maker Space Educational Services team member, this immersive session focuses on building base-level STEM knowledge while modeling hands-on, experiential learning strategies that teachers can immediately apply. The agenda is customized to align with the school's current STEM experience and goals, ensuring the training meets educators where they are – whether they are brand new to STEM instruction or transitioning into a makerspace environment.

What the STEM Discovery 101 PD Includes

- ✓ **One full day of onsite professional development**
- ✓ **A customized agenda** tailored to the school's current STEM knowledge and needs
- ✓ **Practical strategies** for STEM integration across grade levels and subject areas
- ✓ **Consumable materials** included for up to 30 participants
- ✓ **Facilitation** by an experienced 1st Maker Space Educational Services team member
- ✓ **Hands-on, experiential STEM activities** modeled for classroom implementation
- ✓ **Guidance on implementing STEM instruction** within a makerspace setting
- ✓ **Support focused exclusively on equipment and materials** offered by 1st Maker Space*

**(All education services must be scheduled within one year of installation/delivery.)*



Who This Program Is For

- ✓ **Schools** beginning STEM implementation
- ✓ **Educators** new to teaching STEM
- ✓ **Teachers** transitioning into a makerspace environment
- ✓ **Instructional leaders** seeking a strong, accessible starting point for staff



Get Started

Unlock Your Potential

Sign-Up Now

9059 Technology Lane, Fishers IN
(317) 399-5001
info@1stMakerSpace.com

Course Focus & Learning Experience

STEM Discovery 101 centers on building strong foundations. Educators explore:



What STEM learning truly means at the classroom level



The role of inquiry, design thinking, and problem-based learning



How to facilitate hands-on experiences without needing to be a STEM expert



Strategies for classroom management within a makerspace environment



Practical ways to introduce engineering design and critical thinking



How to confidently use 1st Maker Space tools and materials for instruction

Throughout the day, participants experience STEM activities as learners first – gaining empathy for student experiences – and then unpack the instructional strategies behind each activity.

Participant Outcomes

By the end of STEM Discovery 101, educators will:



Build Foundational STEM Confidence

- Understand the core principles of STEM education
- Feel comfortable facilitating introductory STEM activities
- Recognize that STEM instruction does not require advanced technical expertise

Develop Makerspace Readiness

- Understand best practices for managing students in a hands-on learning environment
- Establish clear expectations and routines for makerspace success
- Create a supportive culture that encourages creativity and risk-taking

Implement Hands-On STEM Learning

- Apply experiential, inquiry-based learning strategies in their classrooms
- Guide students through structured problem-solving and design challenges
- Utilize 1st Maker Space materials effectively and safely

Launch Their School's STEM Journey

- Identify immediate next steps for STEM implementation
- Align STEM activities with existing curriculum goals
- Develop a stronger vision for long-term STEM growth within their school



STEM Discovery 101

Unlock Your Potential

Cost: \$3,999 /person

Seats are limited; sign up now!

[Sign-Up Now](#)