

Early Childhood STEM

BUILDING THE FOUNDATION

In this course we provide an overview of STEM in early childhood: what it is, how kids learn it, and how STEM benefits your youngest learners. If you want to help your students become confident STEM learners, it's easier than you think to start early.

LESSON 1

STEM 101: The Basics

Objective: Build a foundation of STEM knowledge.

- Topics Covered:**
- What is STEM?
 - Why STEM?
 - How to integrate STEM?

LESSON 2

Social and Emotional Learning: Engineering Empathy

Objective: Learn how early engineering develops young learners' social and emotional skills.

- Topics Covered:**
- What is social and emotional learning (SEL)?
 - How engineering supports SEL?

LESSON 3

Engineering Foundational Skills

Objective: Discover how early engineering supports early childhood development in crucial learning domains.

- Topics Covered:**
- Executive Functioning
 - Fine Motor Skill Development
 - Language Acquisition

LESSON 4

Learning Trajectories: How Young Children Engineer

Objective: Gain an understanding of what age-appropriate engineering looks like.

- Topics Covered:**
- What is a learning trajectory?
 - Why are learning trajectories important?
 - What are engineering learning trajectories?