



Self-Guided PD for Maine Educators: Getting Started 2022



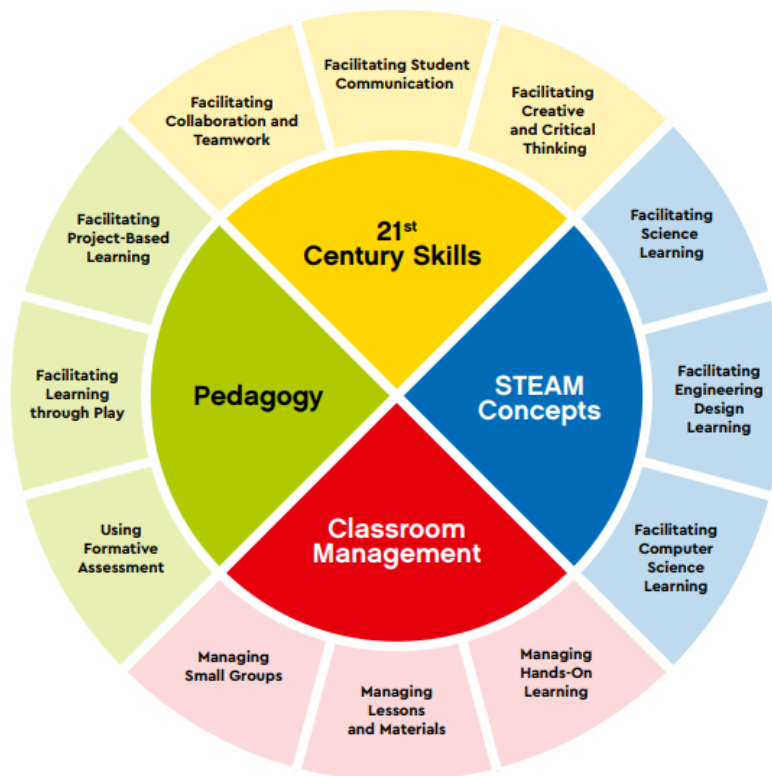
LEGO® Education Brings STEAM Learning to Life

At LEGO® Education, our mission is to develop the builders of tomorrow. We believe STEAM Learning has become essential for preparing even the youngest students for their future and for in-demand careers. Early exposure not only enhances interest in STEAM careers, but also builds skills—such as resilience, problem-solving, critical thinking, and social-emotional skills—that are needed for success throughout school and beyond. LEGO® Education offers hands-on learning systems that make abstract concepts more tangible for young minds, enabling them to experience joy as they master STEAM subjects. This playful approach helps spark curiosity and lifelong learning.

Our holistic LEGO® Education Learning System is standards-aligned and provides continuity across grades to create a path to competency. This intuitive, inclusive, and highly adaptable system meets students and teachers where they are in understanding STEAM concepts, while also supporting different learning styles. Solutions are designed to accommodate everything from easy-entry projects to independent exploration to keep students interested and motivated as learning progresses.

Self-Guided Learning

Free, online, on-demand, self-guided learning targets individual needs and learning preferences. With our full library of courses teachers can improve one targeted competency with each quick Learning Burst or expand their learning to four competencies through longer Learning Quests.



LEGO® Education Suggested Self-Guided PD

The following self-guided professional development plan provides a short course to prepare educators working with LEGO® Education learning systems for the first time.

Access

The suggested course can be accessed at the [LEGO® Education Professional Development Portal](#).

Requirements: Create new accounts with an email address or Facebook, Google, or Apple account.

Introduction to the Learning Materials: Product Knowledge

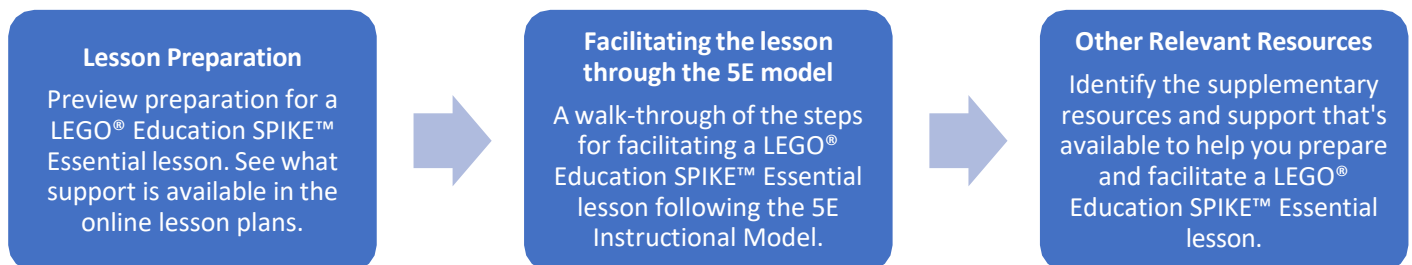
SPIKE™ Essential – [Preparing to Teach with SPIKE Essential](#) Time: 30 Min

Course Outcomes

This tutorial series includes three videos that teach you how to facilitate any LEGO® Education SPIKE™ Essential lesson. It includes 20 minutes of optional building, testing, and reflection activities.

Downloadable Resources

- Coding Blocks Used in LEGO® Education SPIKE™ Essential Lessons
- Basic Coding Concepts in LEGO® Education SPIKE™ Essential lessons
- Computational Thinking in LEGO® Education SPIKE™ Essential lessons



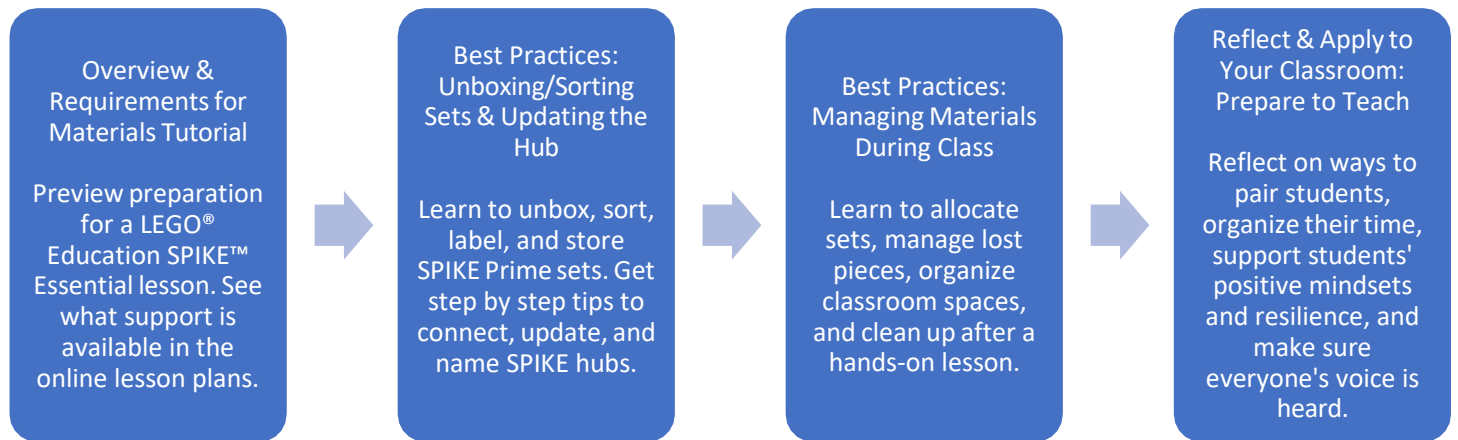
SPIKE™ PRIME– [Preparing to Teach with SPIKE Prime](#) Time: 30 Min

Course Outcomes

This tutorial series includes four videos that present best practices and tips to help you prepare materials for teaching with SPIKE Prime. It includes 20 minutes of optional hands-on tasks.

Downloadable Resources

- Coding Blocks Used in LEGO® Education SPIKE™ Essential Lessons
- Basic Coding Concepts in LEGO® Education SPIKE™ Essential lessons
- Computational Thinking in LEGO® Education SPIKE™ Essential lessons



Introduction to Coding with LEGO® Education

SPIKE™ Essential - [Icon Block Coding](#)

Time: 30 minutes of video learning | 30 minutes of hands-on practice building and programming models

Course Outcomes

This tutorial series includes six videos that present how to use the most common coding blocks for LEGO® Education SPIKE™ Essential Icon-Block programming. It includes 30 minutes of optional testing and experimentation.

Downloadable Resources

- Coding Blocks Used in LEGO® Education SPIKE™ Essential Lessons



SPIKE™ Prime- [Word Block Coding](#)

Time: 30 minutes of video learning | 30 minutes of hands-on practice building and programming models

Course Outcomes

This tutorial series includes six videos that present how to use the most common coding blocks for LEGO® Education SPIKE™ Essential Word-Block programming. It includes 30 minutes of optional testing and experimentation.

Downloadable Resources

- Basic Coding Concepts in LEGO® Education SPIKE™ Essential Lessons
- Computational Thinking in LEGO® Education SPIKE™ Essential Lessons

