

FIRST® LEGO® League Discover Professional Development

Course Description

In the FIRST® LEGO® League Discover professional development course, participants will learn how to engage participants ages 4-6 in hands-on science, technology, engineering, and math (STEM) learning. This course uses a playful approach to introduce STEM concepts to children while igniting their natural curiosity and building their habits of learning. Participants will explore hands-on activities for the classroom and at home using LEGO® DUPLO® bricks.

Course Requirements

FIRST® Provides for use during professional development:

- FIRST LEGO League Discover Set
- [Digital](#) access to the *Team Meeting Guide* and *Engineering Notebook*
- LEGO® Education STEAM Park Set

Course Objectives

By the end of this course, you will:

- Participate in the FIRST experience from a student's point of view.
- Explore the essential components of the FIRST LEGO League Discover.
- Experience using a Discover Set, *Team Meeting Guide*, *Engineering Notebook*, and STEAM Park Set.
- Practice LEGO® Six Bricks activities and learn how to facilitate Discover in your classroom.
- Obtain ideas to run and facilitate hands-on playful learning.
- Collaborate with other participants and share best practices.
- Have experience with Project-Based Learning, the Engineering Design Process, and 21st Century Skills.
- Implement Diversity and Inclusion practices.
- Utilize, model, and reinforce the FIRST Core Values!
- Explore ways to bring learning home to families through interactive activities using the FIRST LEGO League Discover More take-home set of materials.