

# FIRST® Professional Development

Acquire or strengthen your facilitation skills for project-based learning curriculum and 21<sup>st</sup> century skills such as creativity, problem solving, and teamwork in an active learning environment.

FIRST® Certified Professional Development is a two-day learning experience that provides you with all the tools you need to facilitate FIRST programs and achieve STEM learning objectives in your classroom.



**“This was a fantastic workshop! Very engaging, highly informative, and 100% hands-on.”**

— NEWARK TEACHER



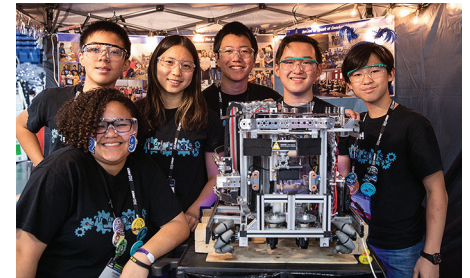
## TRAINING FOR ELEMENTARY SCHOOL EDUCATORS »

FIRST® LEGO® League Jr. encourages students to engage with the world around them by building interest in science, technology, engineering, and math (STEM) through a real-world scientific challenge. FIRST LEGO League Jr. builds 21<sup>st</sup> century skills through their exploration in research, critical thinking, and imagination.



## TRAINING FOR UPPER ELEMENTARY SCHOOL AND MIDDLE SCHOOL EDUCATORS »

FIRST® LEGO® League inspires students to become innovators by encouraging them to ask questions, define problems, and design unique solutions. The program enables students to develop creativity and critical thinking skills such as confidence, communication, and collaboration, while also equipping them with technical skills like engineering and coding.



## TRAINING FOR MIDDLE SCHOOL AND HIGH SCHOOL EDUCATORS »

FIRST® Tech Challenge teams are challenged to design, build, program, and operate robots to compete in a head-to-head challenge in an alliance format. Participants call it “the hardest fun you’ll ever have.” Guided by adult coaches and mentors, students develop STEM skills and practice engineering principles (like keeping an engineering notebook), while realizing the value of hard work, innovation, and sharing ideas.



## Here’s what you will learn:

All training is led by a FIRST Certified Trainer and will give you a strong understanding of how to facilitate each FIRST program. Over the two-day period (14 hours) attendees will gain insight on how to achieve STEM learning objectives using program curriculum and resources.

- ★ Facilitate computational thinking, collaboration, and problem-solving skills with your students
- ★ Run FIRST teams using project-based learning pedagogy
- ★ Build a robot and program it using age appropriate technology\*\*
- ★ Become knowledgeable in the engineering design process
- ★ Utilize and reinforce the FIRST Core Values
- ★ Recruit a diverse team, and create inclusive environments that support student participation, persistence, engagement, and success.



## Bring FIRST Professional Development to your school

Contact **Vinnie Rodino**, FIRST Director of School Engagement, [vrodino@firstinspires.org](mailto:vrodino@firstinspires.org) for details, pricing, and scheduling.

<http://info.firstinspires.org/first-certified-professional-development-quote>

\*An additional 1.5 hours of professional development can be earned through completion of online modules on the topic of creating a culture of equity and inclusion.  
\*\*FIRST Professional Development assumes required materials (such as LEGO® EV3, LEGO® Education WeDo 2.0, or FIRST Tech Challenge Kits) are available locally.

FIRST Professional Development covers programming and building; it does not teach participants to be expert programmers or builders.

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