



Grades 4-8

COMPETITIVE ROBOTICS

COMPETITIVE ROBOTICS course is built around the FIRST LEGO League program. FIRST LEGO League (FLL) is an alliance between FIRST—First for Inspiration and Recognition of Science and Technology—and the LEGO® Group.

FLL is a combination of theme-based LEGO engineering challenges and real-world problems that emphasizes teamwork, discovery, and innovation.

The goal of FIRST LEGO League is to inspire youth to pursue STEAM learning.

During this course, students will work as a team to research, design, build, and program their own robots to participate in the renowned Worldwide Robotics Competition and improve their soft skills in a dynamic and engaging environment.

FIRST LEGO League Tournament is a high-energy, multi-level competition with judging sessions, robot contests, awards, music entertainment, and encouragement for all!

FIRST LEGO League is more than just robotics competition. **FLL** consists of three parts:

PROJECT

Teams are challenged to learn more about our real-life problems and use their creativity to design an innovative solution to help people in their everyday lives.

ROBOTICS

Teams are required to design, build, and program their own LEGO MINDSTORMS EV3 robot which can perform a theme-based set of tasks in a defined amount of time. Robots must be able to navigate, capture, transport, and deliver objects.

CORE VALUES

Core Values are the guiding principles which help people lead their lives. While teams are working on the assignments, they are improving their teamwork skills, ability to understand and listen, and how they use these skills in their everyday lives. Here at STEP, we pay extra attention to this part and are preparing our teams for a healthy and friendly competition.