Friendly competition is at the heart of FIRST® LEGO® League Challenge, as teams of students ages 9-16* engage in research, problem-solving, coding, and engineering – building and programming a LEGO® robot that navigates the missions of a Robot Game. As part of Challenge, teams also design an innovative solution to a real-world problem relevant to the theme.

**HOW IT WORKS**

We express the FIRST philosophies of Gracious Professionalism® and Coopertition® through FIRST Core Values:

- **Discovery**: We explore new skills and ideas.
- **Innovation**: We use creativity and persistence to solve problems.
- **Impact**: We apply what we learn to improve our world.
- **Inclusion**: We respect each other and embrace our differences.
- **Teamwork**: We are stronger when we work together.
- **Fun**: We enjoy and celebrate what we do!

**CHILDREN:**

- Understand real-world uses of STEM
- Apply critical thinking skills
- Build habits of learning

**WHAT IT OFFERS:**

- Application of science and math concepts
- Hands-on problem solving
- Programming experience
- Application of the Engineering Design Process
- New real-world theme each year
- Sports-like tournaments with judges and awards

**GET STARTED:**

- Teams of up to 10 children, ages 9 to 16*
- Adult coaches and mentors
- Meeting place (school, after-school, homeschool, or community space)
- Parents, teachers, community volunteers to help
- 12 sessions
- LEGO Education SPIKE™ PRIME or LEGO MINDSTORMS® Robot Set (reusable) and annual Challenge Set

“I want to build things nobody else has even thought of yet.”

— CHARLES PETERSON, TEAM MEMBER (10 YEARS OLD)
FIRST LEGO League introduces science, technology, engineering, and math (STEM) to children ages 4-16 (ages vary by country) through fun, exciting hands-on learning. The program consists of three divisions by age group: FIRST LEGO League Discover (ages 4-6); FIRST LEGO League Explore (ages 6-10); and FIRST LEGO League Challenge (ages 9-16).

**SEASON OVERVIEW**

- **MAY-SEPTEMBER**: Online team registration
- **AUGUST**: Season Launch
- **SEPTEMBER-MARCH**: Build, program, and research
- **NOVEMBER-MARCH**: Tournament season
- **APRIL-JULY**: World Festival/Opens

**FOR INFORMATION ABOUT FIRST IN YOUR AREA**

www.firstlegoleague.org/find-first

**PROVEN, VERIFIABLE IMPACT!**

- **87%** Express Interest in Doing Well in School
- **95%** Time Management Skills Increase
- **99%** Teamwork Skills Increase

*Brandeis University, 2013 FIRST® LEGO® League Evaluation Study

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