



# HOW IT WORKS

In *FIRST*® LEGO® League Explore, teams of students ages 6-10 focus on the fundamentals of engineering as they explore real-world problems, learn to design and code, and create unique solutions made with LEGO® bricks and powered by LEGO® Education SPIKE™ Essential.

AGES	GRADES
6-10	2-4

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:

- Build and program a model that moves using LEGO Education SPIKE™ Essential
- Document their work in individual *Engineering Notebooks* and present their team research journey in a collaborative team poster
- Learn teamwork skills
- Build self-confidence, knowledge, and life skills

#### WHAT IT OFFERS:

- New real-world theme each year
- Builds STEM skills and develops habits of learning
- Culture of sharing, learning, and fun
- Engagement of kids in meaningful, hands-on experimentation
- Presentation skills development
- Community-hosted events and official *FIRST* LEGO League Explore Festivals

#### HOW IT WORKS:

- Teams up to six children, ages 6-10
- Adult coaches and mentors needed to guide the team
- Parents, grandparents, teachers, community volunteers
- Meeting place (school, after-school, homeschool, or community space)
- 12 guided sessions
- LEGO Education SPIKE™ Essential (reusable) and annual Explore Set

“My favorite part is working together as a team and building together”

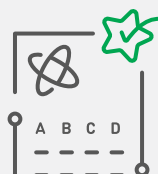
— ANGELINA, TEAM MEMBER



## PROVEN, VERIFIABLE IMPACT!\*\*



71% Could Problem Solve



98% Showed Greater Awareness of STEM



88% Showed Teamwork Skills

## SEASON OVERVIEW

**MAY**

Season registration opens

**AUGUST**

Season Launch

**OCTOBER-JUNE**

Local and regional festivals

**APRIL**

FIRST Championship

FOR INFORMATION ABOUT *FIRST* IN YOUR AREA

[www.firstlegoleague.org/find-first](http://www.firstlegoleague.org/find-first)



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).



\*\*The Research Group, The Lawrence Hall of Science, 2014, Engaging and Activating Youth STEM Learners: Junior FIRST LEGO League Evaluation Study  
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