

FIRST Where **kids** walk in and **innovators** walk out



FIRST LEGO LEAGUE JR.

Ages 6-10 (Grades K-4)

Introduces young children to science and coding concepts through hands-on, playful building challenges.

FIRST LEGO LEAGUE

Ages 9-16* (Grades 4-8)

Students program autonomous robots and design an innovative solution related to the annual theme.

*Ages vary by country

FIRST TECH CHALLENGE

Ages 12-18 (Grades 7-12)

Teams design, build, and program robots, develop strategy, and engage in thrilling, head-to-head competition.

FIRST ROBOTICS COMPETITION

Ages 14-18 (Grades 9-12)

Teams compete with 120-pound robots, combining the excitement of sport with the rigors of science and technology.

What is **FIRST**®?

FIRST® is the world's leading child-serving nonprofit advancing science, technology, engineering, and math (STEM). For 30 years, **FIRST** has been inspiring innovation and leadership by teaching STEM, teamwork, and problem-solving skills through engaging, hands-on robotics challenges developed to ignite curiosity and passion in students in grades K-12.



FOR INSPIRATION & RECOGNITION OF SCIENCE & TECHNOLOGY

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www.firstinspires.org

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Ages 6-10 (Grades K-4)

What is *FIRST*® LEGO® League Jr.?

A non-competitive, hands-on program which builds interest in science, technology, engineering, and math (STEM). Teams of up to six students explore a new and exciting Challenge based on a real-world theme each year.

Guided by adult coaches and *FIRST*® Core Values, students on a team build a model using LEGO® Education WeDo 2.0 and create a team *Show Me* poster to present what they learned.

— LORRAINE FERLAND, PARENT

“Beyond tapping into my son’s imagination, *FIRST* LEGO League Jr. helped him learn how to take an idea, think it through, and then share it with others – all in a fun, collaborative way.”

Three Essential Parts

Each yearly Challenge has three parts: Core Values, the LEGO Model, and the *Show Me* Poster.



“We want to change the culture by celebrating the mind. We need to show kids that it’s more fun to design and create a video game than it is to play one.”

— DEAN KAMEN, FOUNDER, *FIRST*

FIRST Core Values

We express the *FIRST* philosophies of *Gracious Professionalism*® and *Coopertition*® through our 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!



How to get involved

EMAIL: firstlegoleaguejr@firstinspires.org

A *FIRST* representative can help you:

- Become a coach.
- Mentor or sponsor a team.
- Get information for your school.
- Find your region’s local contact.

firstlegoleaguejr.org