



HOW IT WORKS

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!

"We want to change the culture by celebrating the mind."

» DEAN KAMEN, FOUNDER, *FIRST*

FIRST® LEGO® League Jr. captures young children's curiosity and directs it toward discovering the wonders of science and technology.

FIRST LEGO League Jr. is a non-competitive, hands-on STEM program for children ages 6 to 10. The program was created through a partnership between *FIRST*® (For Inspiration and Recognition of Science and Technology) and the LEGO® Group.

Children:

- Build and program a model that moves using LEGO® Education WeDo 2.0
- Document their work in individual Engineering Notebooks and present their team research journey in a collaborative *Show Me* poster
- Learn teamwork skills
- Build self-confidence, knowledge, and life skills

How it works:

You will need:

- Teams of up to six children, ages 6 to 10 (grades K-4)
- Adult coaches and mentors needed to guide the team
- Parents, grandparents, teachers, community volunteers
- Meeting place (school, after-school, homeschool, or community space)
- 12 sessions
- LEGO Education WeDo 2.0 and annual Inspire Set



2018-2019 Facts (Projected):

- » 126,000 children
- » 21,000 teams
- » 55 countries

What it offers:

- New Challenge each year, based on real-world topic
- Introduction to science and engineering concepts, the engineering design process, basic coding and research
- 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 Jr. Expos



Proven, verifiable impact for participants in *FIRST* LEGO League Jr.*



98%
SHOWED GREATER
AWARENESS OF STEM



71%
COULD PROBLEM
SOLVE



85%
WERE BETTER ABLE
TO EXPLAIN IDEAS



88%
SHOWED TEAMWORK
SKILLS

*FIRST® LEGO® League Jr. Evaluation Study (2014), The Research Group, Lawrence Hall of Science, University of California, Berkeley

FOR INFORMATION ABOUT *FIRST* IN YOUR AREA:

www.firstinspires.org/contactus | (603) 666-3906 | (800) 871-8326



FOR *I*NSPIRATION & *R*ECOGNITION OF *S*CIENCE & *T*ECHNOLOGY

200 Bedford Street ■ Manchester, New Hampshire 03101 ■ USA

www.firstinspires.org