

Colorado *FIRST* Volunteer Opportunities

FIRST LEGO League Jr.



Ages 6-10 | K – 4th Grade | November to May | 2-3 Hour Opportunity

FIRST® LEGO® League Jr. captures young children's curiosity and directs it toward discovering the wonders of science and technology. This program features real-world scientific concepts that are explored through research, teamwork, construction, and imagination. Guided by adult coaches and the FIRST LEGO League Jr. Core Values, team members work with LEGO elements and motorized parts to build ideas and concepts and present them for review. Each yearly Challenge is based on a different theme and has two main parts; the LEGO Model and the Show Me Poster.

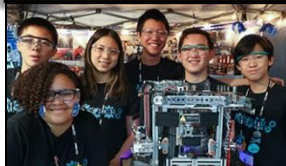
FIRST LEGO League



Ages 9-14 | 4th – 8th Grade | November to December | 1 Day Opportunity

Tomorrow's innovators practice imaginative thinking and teamwork. Guided by two or more adult Coaches, *FIRST* LEGO League teams of up to 10 members research a real-world problem such as food safety, recycling, energy, etc., and are challenged to develop a solution. They also must design, build, program a robot using LEGO MINDSTORMS®, then compete on a table-top playing field.

FIRST Tech Challenge



Ages 12 - 18 | 7th – 12th Grade | January to February | 1 Day Opportunity

FIRST Tech Challenge teams of up to 15 members are challenged to design, build, program, and operate robots to compete in a head-to-head challenge in an alliance format. Guided by adult coaches and mentors, students develop STEM skills and practice engineering principles, while realizing the value of hard work, innovation, and working as a team. Teams design and build robots, raise funds, design and market their team brand, and do community outreach to earn specific awards.

FIRST Robotics Competition



Ages 14 - 18 | 7th – 12th Grade | March | 1-4 Day Opportunity

Combining the excitement of sport with the rigors of science and technology. We call *FIRST* Robotics Competition the ultimate Sport for the Mind. High-school student participants call it "the hardest fun you'll ever have." Under strict rules, limited time and resources, teams of students are challenged to raise funds, design a team "brand," hone teamwork skills, and build and program industrial-size robots to play a difficult field game against like-minded competitors. It's as close to real-world engineering as a student can get. Volunteer professional mentors lend their time and talents to guide each team.

Register as a volunteer with *FIRST* at <http://firstinspires.org>:

- ▶ Choose "Sign Up" if you are a new volunteer or "Login" if you are a returning volunteer
- ▶ Choose "Volunteer Registration" and then "Event Volunteering" and then choose a program.
- ▶ Find the event you want to volunteer for and then choose the role(s) you are interested in.
- ▶ Make sure you complete the Youth Protection Screening process and electronically sign the Consent form.
- ▶ A volunteer coordinator will confirm your assignment close to the date of the event.

Questions? ✉ volunteers@coloradofirst.org