



FIRST Lego League Jr. Primer

What is FIRST Lego League Jr. (FLL Jr)?

- Program for 6-9 year olds (and can read)*.
- Designed to introduce STEM concepts to kids while exciting them through a brand they know and love: LEGO

FIRST Lego League Jr. Teams Get To:

- Explore a real-world scientific problem.
- Create a *Show Me* poster that illustrated the team's journey of discovery.
- Construct a motorized model of what they learned using LEGO elements.
- Learn critical thinking, team-work, and presentation skills.
- Understand FLL Jr. Core Values, which include respect, sharing, critical thinking, and "Gracious Professionalism"

Components of FLL Jr:

- (1/4) Learning about STEM
- (1/4) Team-Work
- (1/4) *Show Me* poster of their learning.
- (1/4) Motorized Model using LEGOs

Any Special Skills Required:

- All skill levels are welcomed and needed, technical and non-technical.
- Students are encouraged to bring any skills or interests they already have, but most importantly **a desire to learn, explore, strategize, build comradery, share ideas and talents, make new friends, be accepted, and HAVE FUN!**

Coaching Information

- The best coaches are people with an INTEREST in science and technology, and in helping kids discover and learn.
- **YOU DO NOT HAVE TO BE AN ENGINEER OR HAVE A SCIENCE BACKGROUND.** No special technical skills required
- Time commitment: Meet 1x per week for 1.5 hours for 12 weeks.
- Meeting Locations: Typically a coach's house. The coaching pair works out where/when to meet.

What is FIRST?

- For Inspiration and Recognition of Science and Technology.
- International not-for-profit public charity set up by inventor Dean Kamen in 1989.

What is the Goal of FIRST?

- To inspire young people to be science and technology leaders by engaging them in exciting programs that build science, engineering, and technology skills, that inspire innovation, and that foster well-rounded life capabilities including self-confidence, communication, and leadership.

Moorestown Robotics FLL Jr. Team Concepts:

- Mixture of boys and girls with assortment of ages
- Two coaches per team (mandatory)
- Ideal team size is 4-6 kids (*maximum team size is 6)
- **Total number of teams is based on available coaches.**

Moorestown Robotics FLL Jr. Season:

- Aug/Sept through December or longer.
- Team typically meet 1x a week for about 1.5 hours
- 12 sessions in total (typical)
- Weekly lesson plans from FIRST can be followed (optional)
- Attend an end of season FLL Jr. Expo to present your *Show Me* poster and Motorized Lego Model
- FLL Jr. Expos can be from October through June, though we aim for December.

Team Sign Ups:

- Team sign ups in Mid - Late May.
- Register on our website for the newsletter for notification.
- Sign up will be at <http://www.moorestownrobotics.com>
- Cost is expected to be about \$150 per person.
- Open spots are limited by the number of teams.
- The number of teams is limited by the number of coaches.
- **The ONLY way to guarantee your child gets on a team is to coach!**

Sign Up to be a Coach:

- Sign up to be a coach at www.moorestownrobotics.com by May 18th.
- You will be paired with another coach.

* Ages 6-8 years old are recommended by Moorestown Robotics

More information can be found at <http://www.moorestownrobotics.com> and <http://www.firstinspires.org>