



Calling all Robot & Lego Fans!

Long Meadow Elementary, in conjunction with the Rochester High School FIRST (For Inspiration and Recognition in Science and Technology) Robotics Team the FEDS, will be offering FIRST Lego League (FLL) Robotics to **Kindergarten through Fifth** grades. The meetings will be held at Long Meadow Elementary School. We expect all our meetings will be in-person and that we will follow all applicable Covid precautions.



FLL Explore - Grades K-3

This year's FIRST LEGO League Explore challenge is called **CARGO CONNECT**. Students will learn about how cargo is transported, sorted, and delivered to its destinations. We have the power to build a path forward and invent the future of transportation. And it starts here, with you!

We expect to host multiple FLL Explore teams, each requiring **at least 2 Parents** to register with FIRST and serve as team coaches. Teams will consist of 2 to 6 students. Students will learn about FIRST Core Values, Teamwork, and Problem Solving, all while they Design, Build, Program and Test a WeDo Robot capable of transporting cargo. At the end of the season, in early December, the FEDS will host a celebration for all of the FLL Teams they sponsor.



FLL Challenge - Grades 4 & 5

This year's FIRST LEGO League Challenge is called **FREIGHT FRENZY**. Students will engage in research, problem solving, coding, and engineering - building and programming a LEGO MINDSTORMS® robot that navigates the missions of a game. They will also design an innovative solution to a real-world problem relevant to the theme.

We expect to host multiple FLL Challenge teams, each requiring **at least 3 Parents** to register with FIRST and serve as team coaches. Teams will consist of up to 8 students. Teams will compete in a head to head (robot to robot) competition to be held at local high schools in the fall. Competitions are in two parts, with the students presenting to judges their innovation project and the robots competing in multiple timed and scored matches with multiple challenges that have been pre-programmed by the students using the Mindstorms Robot.

Cost is \$40 per Student

Teams will be assigned by grade level at random. The only way to guarantee your child a spot on a team is to volunteer to be a team coach. All payments are payable to Rochester Community Schools. Questions can be directed to Shishir Gupta at skgupta44120@gmail.com

Parents can register their children [HERE](#)

