



## JOIN FIRST LEGO LEAGUE

We are looking for students in Grades 4–8\* who are interested in problem solving and robotics!

FIRST® LEGO® League guides youth through STEM learning and exploration at an early age. Friendly competition is at the heart of Challenge, as teams of students ages 9-14\* engage in research, problem-solving, coding, and engineering – building and programming a LEGO® Education SPIKE™ Prime robot that navigates the missions of a robot game. As part of Challenge, teams also design an innovative solution to a real-world problem relevant to this season's transportation theme.

There are several components to the FLL season, including design, programming, and research. In addition, students strengthen their teamwork and communication skills by learning how to work together to reach a common goal. During the robotics portion, the students design and program a robot to fulfill a pre-designed mission. During the project portion, the teams research a real-world problem and devise an innovative solution. The FIRST Lego League season runs from September to January with the potential to continue into April.

We will meet once a week to build the robot, learn the Core values of First Lego League and prepare the project with the goal to compete with other teams at the end of the season in the regional tournaments and beyond. The meetings will generally be on Mondays from 6-8PM in the Cafeteria at St. Helena. The first 4 weeks (Sept 27-Oct 18 will not be on Mondays – we are working on those days).

Additional information about FIRST Lego League can be found on-line at:

<http://firstlegoleague.org>

The specific missions for this year can be seen at <https://www.youtube.com/watch?v=onsI9ke2Vho>

Explore the world of Lego Robotics!



\* Born between January 2, 2006 and January 1, 2012



First Lego League ONLY allows a maximum of 10 kids on a team. The team will be filled on a first come basis.

Please email Greg Mann at [greg.p.mann@gmail.com](mailto:greg.p.mann@gmail.com) if interested, as soon as possible. Include the below:

Name:

Email:

Child's name:

Child's age as of January 1, 2021:

Classroom:

\*\* NOTE: We received a DoD STEM grant that covers most of the costs, but there may be a small fee to cover some additional material. This is our first year and are working through the costs. We do not expect more than a \$10 fee.