

First LEGO League 2024

What is the First LEGO League?

First LEGO League(FLL) is a competitive LEGO based robotics competition. Students will build a LEGO based robot with either Mindstorms EV3 or Spike Prime and code the robot to complete different challenges. More information about this years competitions here:

<https://www.firstlegoleague.org/>

Video of this year's robot game: https://www.youtube.com/watch?v=J5u-2q_K3O0

3 Main Parts of FLL

1. The Robot Game
 - a. Students will build and code a robot according to the year's challenge. They will bring their prebuilt robot to a competition that consists of a 2.5 minute round that is coded to complete certain tasks. Within the 2.5 minute round, students will try to score as many points as possible on a LEGO based game field.
2. The Project
 - a. Students will complete a research project according to the year's theme. This will be presented to judges at the competition and can be as creative as they would like. This usually consists of a presentation board and/or skit.
3. Core Values Judging
 - a. Students will be interviewed by judges where they will give a short presentation about their team and are questioned on how they built the robot, how they worked together, etc.

Number of students on a team

The teams will consist of between 6-8 team members working collaboratively on one competition robot and one project presentation.

Competitions

All teams(rookie and veteran) will compete in at least 2 competitions. 3 depending on advancement and if the season has 3 competitions to offer. Competitions are set by other schools/hosting organizations and we will have to wait and see when and where the competitions will take place. Competitions usually happen in November and late January. If they make it to the championships, that usually takes place in December. Competitions are either on a Saturday or Sunday and will be an all day event, usually from 8am-5pm.

Length of FLL

FLL will last from roughly the end of August or beginning of September to late January or early February. Teams can end as early as December depending on if they advance to the championships.

Cost

This season the cost is \$725/child. This includes all competition fees, registration fees and team shirts. Extra costs may include extra attire for students such as hats and outside research field trips.

Parent Involvement

We asked parents to be their child's biggest cheerleader. Encourage and listen to them. Parents are not allowed to build the robot or code the robot. If there are any issues that we don't know about that your child communicates with you, please let us know so we can address it.

Parents may set up extra field trips to help with the project or set up team building events for the students. Parents may also set up group food and snacks for the competitions.