

Robotics Competition 2020

AKA First Lego League (FLL)

STUDENTS IN 4TH THRU 8TH GRADE



2020 represents Immacolata's 8th year of participating in the First Lego League (FLL).
Quick Immacolata highlights from last year:

//We typically have 4-6 teams and about 30-45 Immac students participate

//All teams have competed in qualifying competitions

//Past teams have won awards for; highest robot points, Robot Design, Research Project and Core Values

//3 teams have advanced to the regional competitions.

Here is a quick summary of the program. Students will:

- Build a robot from Lego parts
- Program the robot to solve 10 predetermined "missions"
- Perform independent research on the 2020 theme

At the completion (early November), students will:

- Present a unique solution based on the 2020 theme
- Present their robot design and how they programmed the robot to solve missions
- Run their robot in a series of head-to-head competitions with other teams.

Why participate? The students learn:

- How to think critically
- How to GENUINELY work as a team
- How to solve problems in the absence of instructions
- That all the gadgets they use (ipads, video games, etc.) are not magic – someone actually designed and programmed them
- STEM (Science, Technology, Engineering and Math) skills are not innate – anyone can develop these skills through a combination of curiosity and effort.
- FAILING is a part of discovery.
- You can BOTH have fun and learn a lot at the same time.
- STEM programs like this are becoming commonplace in many high schools

Important details:

Deadline to indicate interest: **August 1st**

Contact: Katerx1999@yahoo.com or 314-550-4012

Cost: \$75 (Made payable to Immac Lego League)

Practice times: TBD. Coaches will work with each team to try to accommodate schedules as much as practicable.

Team Determination: I will let you know by August 30th if we are able to form an age appropriate team for your child

Coaches still wanted/needed! Remember, NO technical skills are required. The kids need to discover solutions on their own – coaches merely facilitate the process. I will be happy to provide an orientation for the coaches/kids at the first meeting.

FLL Fall 2020 Registration Form

Participant:_____

Grade (Fall 2020):_____

Parent Name:_____

Email:_____

Cell #:_____

If you are interested in helping coach a FLL team-please mark_____

Return Form and check for \$75 (Immac FLL) by August 1st by mail to Immacolata School 8910 Clayton or email me your form to katerx1999@yahoo.com