



2017 Application for First Lego League (Rev 1.2), Grades 4-8 (17-18 School Year)

Application Due Date: Thursday, June 1st, 2017 **Regular Season:** Late August – October
Weekly Commitment: 2 meetings/week **Championship Season*:** December-February, 2018
Robotics Program Coordinator: John M. Bridgen **Contact Number:** (717) 919-3206
Application Submission Methods: Drop-off at School Office 17601
Program Fee: \$125/student due with Application. Payable to: St Leo the Great, Memo Line: FLL

Summary

The FLL program exposes students to various engineering aspects including mechanical design, programming, strategic thinking, presentation, teamwork and innovation. More information on the FIRST FLL program is available at: www.firstinspires.org/robotics/fll

This is not a club program and will require a serious commitment both from parents and students. The expected weekly meeting commitment will be 2 days' week. Every attempt will be made to have regularly scheduled meeting dates and times, however as the teams are run by volunteers some variability in the weekly meeting schedule may occur. Regular attendance is required. Applicants are required to have their commitment be the highest priority after school activity. Any student who regularly misses meetings will be asked to leave the program. Your submission of this application acknowledges this commitment.

NEW*: The regular season, which will include all team members will run until late October and end with a scrimmage event. At the discretion of the coaches, team members will be selected to join the Championship team. Students will be selected based on consistent focus and contributions during the regular season in all phases of the FLL program, scrimmage performance as well as coach availability for teams. The Championship program will run into mid-February.

At this time, we only have enough parents volunteering to coach to insure a single team, or approx. 8 students. While we hope to be able to expand the program beyond a single team, additional parent volunteers will be required to create additional spots. Students will be selected for the program based on prior experience and the application information.

To allow access to all students interested in this outstanding experience, we encourage all parents to consider volunteering. No prior experience in robotics or engineering is required. Assistance is available to help guide new volunteers to being successful coaches. Team responsibilities can be split among many parents, however for every team created a primary/head coach will be required. Please indicate below your ability to be the head coach or assistant coach, and the approx. hours you would be available each week for the team.

Head Coach (Circle One)	Yes	No	Assistant Coach (Circle One)	Yes	No					
Hours Available/Week:			Days Available:	Mo	Tu	We	Th	Fr	Sa	Su

The total cost of the program last year was \$2,245. As the school is only able to offer limited funding for the program, the program fee will be \$125/student. As St Leo's realizes this financial commitment may be a burden on some families, if this fee is a barrier to entry please contact Mrs. McLean as assistance is available as to allow equal access to all. While the parents are required to sign the application below indicating understanding of the program's expectations, the second page is required to be completed and signed by the students with only limited guidance from their parents.

Parent Printed Name

Parent Signed Name

Phone Number

Date



Student Application Section for FIRST Lego League Team Membership (Rev 1.2)

To be completed by student with minimal guidance from parents

(A family with multiple kids must have each individual child applying for the program complete this page)

Team Requirements	Yes	No
I understand that FLL will be my primary after-school team commitment		
I understand the FLL season runs into both fall and winter sports		
I understand that if I am not able to regularly attend meetings, I will be asked to leave the team		
I understand that only players who exhibit consistent focus and contribution to the team during the regular season will be extended an invitation to move onto the Championship season that will run until February		

Additional Information	
School Attended (List Name)	
Grade (17-18 School Year)	

Please write a few sentences to explain why you want to be part of the FLL robotics program

Interest – The FLL team requires many different skill sets. Please rank each of the program areas below, 1-10, with 10 as the area of most interest and 0 as the area of least interest.	
Programming – Use a computer to program the robot to move the motors and use the sensors to complete various missions on the game table	
Robot Game Strategy – Review the various missions available in the robot game to help determine which missions to accomplish and in what order to play them in the game	
Robot Build – Design the robot and the tools (for example a scoop to lift parts) used to complete various missions on the game table	
Engineering Project – Research ideas around the year’s theme, develop a solution to solve the problem and present the solution to the judges	
Robot Design Presentation – Present the robot to a panel of judges. During the presentation explain the various missions chosen and why, how the program was developed and the unique mechanical features of the robot to accomplish the missions	

Student Printed Name (First and Last)

Student Signed Name

Date