

First LEGO League Robotics Application for 2019 – 2020

FLL REQUIREMENTS: You must be a 4th or 5th grade student at Patrick ES and be at least nine years of age as of August 1, 2019. The First LEGO League guidelines must be followed when our team goes to competition.



COST: \$75.00 (Please do not send money at this time. Once the team is selected, an additional form will come for payment.)

MEETINGS: Wednesdays 3:00pm – 4:30pm in the RED Lab

APPLICATION DUE: Friday, May 17, 2019, at 2:45pm (Turn in to Ms. Askew or Mrs. Tice)

Step 1: Tell about Yourself

Full Name:		Parent's Name:
Birthdate:	Circle t-shirt size: YM YL YXL AS AM AL (T-shirts run small!!)	Homeroom Teacher:
Parent Cell Phone Number:		Parent Email Address:

Step 2: Find Out More about FLL

Visit this website with your parents, and sign below to acknowledge that you have read the information. This website contains more information about our core values.

<http://firstlegoleague.org/about-fll>

We have visited and discussed the information in the website above. We understand that if my child is selected for the team he/she will commit up to 10 hours a month researching, programming, writing, and designing outside of the school day and on the weekends.

Student Signature _____ Date _____

Parent Signature _____ Date _____



Step 3: Complete Your Application

FLL teams can have a maximum of 10 members. To be selected for the team, you are being charged with the following tasks:

- A. **RESEARCH** next year's FLL topic of "City Shapers". What if you could build a better world? Where would you begin? How can we improve our cities to make them better, more sustainable places for everyone to live and work?
- B. In your own handwriting, **WRITE** one to two paragraphs about how we can improve our cities to make them better, more sustainable places for everyone to live and work. What do you think is the most pressing issue in our cities that impacts each of us? How can it be solved? (This can be now or in the future, but it must be based on facts.)
- C. **SKETCH and DIAGRAM** a unique invention based on your research to improve our cities. This invention can combine or improve already invented ideas.
- D. **RESPOND** to the following questions on a separate sheet of paper in your own handwriting.
 - *Why are you interested in being on the First LEGO LEAGUE Team?*
 - *What characteristics do you possess that will make you a good team player?*
 - *How do you live the FLL Core Values in school and outside of school?*

Step 4: Complete Your Application

Submit this application, your research, writing, sketch/diagram, and responses to the above questions to Ms. Askew or Mrs. Tice no later than Friday, May 17th, 2019. Applications will be accepted until 2:45pm.

Final selections for the 2019-2020 team will be announced after the selection committee has read all applications, confirmed grades, and verified school attendance. Team members will be announced on the PES News Show before the end of this school year.

First LEGO League Application Rubric 2019-2020

In an effort to provide 100% transparency, there are only 10 slots available on the 2019-2020 FLL competition team. **(PLEASE NOTE that students who participated on the 2018-2019 Spot Bots team will NOT automatically earn a spot on the 2019-20 team. Everyone must go through the application process.)** The review panel will consider students who turn in complete applications by the deadline of May 17, 2019, and meet all of the characteristics below:

1. The student must be a 4th or 5th grader at Patrick Elementary for the 2019-2020 school year and nine years of age by August 1, 2019.
2. The student demonstrates impeccable conduct at school (per report card) and the following characteristics: respect, a positive attitude, strong work ethic, teamwork skills, and perseverance when met with challenges.
3. **The student earned all As & Bs in core classes from the most current school year.**

Participating members must maintain the expectations to remain on the team. In addition, students must be picked up on time from all meetings and competitions.

Score	0	1	2	3
Research	Research is not included in the application.	Research is evident, but not cited in the written explanation.	One source was included and cited in the written explanation.	Two or more sources were included and cited in the written explanation.
Written Explanation	A pressing issue or problem in our cities is not included in the written explanation. A solution is not included in the written explanation.	A pressing issue that needs to be solved in our cities in minimally developed or one or more parts of a problem and solution is missing.	A pressing issue that needs to be solved in our cities is stated and a solution is given, but one part of the explanation lacks complete development.	A pressing issue that needs to be solved in our cities is well-developed and solutions are well explained.
Written Explanation	Problems and solutions are unclear and minimally developed.	Problems and solutions lack development and need improvement.	Problems and solutions show evidence of research. Average writing skills for the grade level are showcased.	Problems and solutions are well researched and ideas are well developed. Exemplary writing skills are showcased.
Sketch and Diagram of Invention	Includes an idea that is not original. The idea may be unclear due to a missing explanation.	Includes an idea that already exists and does not improve upon it.	Includes a unique idea that combines or improves existing ideas.	Includes a well-thought out unique idea that combines or improves existing ideas.
Response Questions	One or more of the three response questions are unanswered.	The three responses lack details about the student's commitment to teamwork and innovation.	The three responses are complete and explain the student's ideas about teamwork and innovation.	The three responses showcase a depth of thought about teamwork and a passion for innovation.