



2022 – 2023

Jackson Elementary First Lego League (FLL) Application



The Robolion Cubs team will be forming soon for the 2022-2023 school year. Our team can consist of up to 10 members. Members will be a mix of 4th and 5th graders. Robotics is a school sponsored club that uses the Lego Spike Prime Robots to build and program. The robot will be programmed to complete a set of missions supplied by First Lego League. WE DONOT BUILD LEGOS! This is important to understand.

Meetings are held twice a week: Monday – 3:15pm to 4:30pm **AND** Friday – 7am to 7:45am. **Attendance is mandatory. Being late TWO times; pick-up (4:30pm on Monday) or arrival (7am on Friday) will result in your child not being allowed to continue in the FLL Challenge Team, and the fee is nonrefundable.**

The team will be selected based on the applications submitted. Four Jackson teachers will review and rank the applications. Team members will be required to pay \$125 to participate payable through MyPayments Plus. The participation fee is due on our first club meeting on **September 19, 2022.**

The theme for the 2022-2023 robotics season is ENERGIZESM. In the SSM challenge, *FIRST LEGO League* teams will explore where energy comes from and how it is distributed, stored, and used – and then put their superpowered creativity to work to innovate for a better energy future.

Please watch the FLL teaser at <https://www.youtube.com/watch?v=m-qwsMmkFwg>

FIRST LEGO League (FLL[®]) challenges kids to think like scientists and engineers. Teams will choose and solve real-world problems. They will also build, test, and program an autonomous robot using Lego Spike Prime Robot technology to solve a set of missions in the Robot Game. Throughout their experience, teams will operate under FLL's signature set of Core Values, celebrating discovery, teamwork, and Gracious Professionalism[®].

NO PRIOR LEGO SPIKE PRIME ROBOT EXPERIENCE REQUIRED.

Student(s)...

- must be self-motivated in work
- can spend 30 minutes per week outside of meetings on Robotics related homework / tasks
- are willing to work on tasks outside their comfort zone
- class conduct must be of the highest quality
- can work in a team focused environment

Students interested must turn in the Student Application to their homeroom teacher by September 2. Students will be notified by September 9 if they were selected for the team.



Robolion Cubs Student Application

Applications are due by: Friday, September 2nd, 2022. Turn in the application to Ms. Hurt or Ms. Massey.

Name: _____ Grade: _____

Email: _____ Phone: _____

Parent's Names: _____

Current Teacher: _____

1. Why do you want to be a member of the Robolion Cubs team?

2. What qualities do you see in yourself that would make you a good team player?

3. How do you live the FLL Core Values outside of school?

4. Please explain what experience you have building with Legos and/or with programming or coding. (If none, that's okay!)

5. Watch the video linked to this QR Code:



Next, identify new ideas in energy generation, efficiency and use that will help us move forward.

Write on a notebook paper or type your answers to the following questions:

- a) How can we help minimize the impact of energy on our global climate?
- b) How do you reimagine the future of energy?

Write/type at least one paragraph. Make sure it is your own words, not copied from your sources. Additionally, you may sketch an invention or diagram to help explain your idea.

STAPLE YOUR ANSWER TO QUESTION 5, TO THE ROBOLION CUB APPLICATION.

STUDENT CONTRACT

To ensure that parents and students understand the responsibility and commitment needed by each FLL member, please take the time to read over this contract with your child. Please check each line and sign the form.

- I understand that FLL is more than robots and I am expected to work on a research project.
- I realize that no FLL problem has only one solution, and that a successful team is one which cooperates by considering EVERYONE'S solution and ideas. I will not criticize anyone's ideas.
- I agree that my behavior at meetings and tournaments will be constructive (helpful).
- I agree that each FLL team meeting is valuable and will attend each meeting as best as I can. If a conflict arises, I will notify my coach in advance.
- I agree to cooperate on whatever solution the team chooses, even if it is not my first choice.
- I agree that all solutions, including props, costumes, signs, etc. will be made completely by team members.
- I agree to show other teams the utmost respect and good sportsmanship.
- I understand that I need to be on time for club meetings as my team depends on me.
- I understand that not following this contract may result in my dismissal from the team.

Student Signature: _____ Date _____

