

First Lego League Robotics

Dear Parent/Guardian:

FLL Robotics is open to students in grades 4-8 with a limit to the size of the group. Students in the older grades are given priority to the competition team which cannot exceed 10 students. This is an extra-curricular activity, and no class time is provided during the school day for this elective. This elective meets after school two to three times a week and on Saturdays. It also means a commitment to work on researching and learning things about the competition theme at home. These include staying up to date on the game/mission rules and Q & A and completing research and preparing a presentation. Because only 10 students are part of the competition team, the fourth graders are usually not part of the team but learn from the experience of the club.

Robotics is an academic program designed to promote robotic programming and design and research. By showing creativity and building skill and becoming an expert on the annual topic, participants will build and program a robot that completes required missions within a 2.5 minute time limit! The team will create a presentation on the annual research topic. The students are evaluated in five areas: robotic performance, hardware design, software design, research presentation, and teamwork within the core values of FLL. The school must purchase a competition pass that allows us to compete in scrimmage matches and a tournament match. Additional information about Western Pennsylvania's FLL Program may be found at <http://www.pafl.com> . We hope that your child has a positive experience in this program.

Times available for the students to stay after school can be found on the **All Events Calendar or FLL Robotics Calendar** on www.mqaschool.org . For this elective, students are expected to make arrangements to commit to at least two days to the team. There are usually three after-school options to make this doable in most cases. Coming on Saturdays is also an option. Closer to the competition, it may be necessary to stay for all sessions and with longer hours. The team/club ends in December with the final tournament. The team dismisses from the lower parking lot from the basement doors.

Mrs. Collett

FLL Robotics

Name _____ Grade _____ Homeroom _____

I and my child understand that as a participant in **FLL Robotics** there are obligations in selecting this competition activity. I will encourage my child to be committed and focused on his/her project. I understand that this project requires extensive research that will be done after school and at home. I will see that my child attends the required after school sessions and Saturday sessions for research, to create his/her project, and for preparation as needed.

Parent Signature: _____ Date: _____

Student Signature: _____ Date: _____