

2019-2020 FSA Elementary and Middle Robotics Application

Dear Students and Parents,

We are currently accepting applications for the FSA Robotics Team for the 2019-2020 competition season. FSA robotics program is part of FIRST® LEGO® League (FLL), an international organization devoted to helping young people discover and develop a passion for science, technology, engineering and math through innovative team projects and the robotics competition. For more information about FLL, please visit www.firstlegoleague.org.

This year FSA program will host five FLL teams. Each FLL team made up of no more than 7 students in 4th through 8th grades.

The competition season runs from the beginning of August through early- to mid-December and potentially into January if a team advances to the super regional and state championship.

The teams will meet at least twice a week. We may use as an additional work time after school on Fridays and Saturdays. So please be informed that we have to do what is needed to do in order to complete the mission.

There is a \$150 fee involved with being a part of the program. The fee covers the cost of team registration for competition events, the robot playing field, structures (missions) on the playing field and T-shirts for the team. Students should fill out the application (they must handwrite their responses on the questionnaire) and return to Mr. Kaya before August 7h.

The application includes:

Robotics Team Questionnaire

Signed Parent and Student Contract

Please note: Robotics is a time-intensive, team-centered activity stretched out over a long competition season, and it often ramps up in the weeks before the competition as extra practices is needed to get projects, presentations, and robots ready to compete. Please use discretion when applying for a spot in the program.

While we honor students' commitments to other activities, we expect them to take seriously their commitment to robotics as well. If a student misses three meetings without notification and/or coach consent, he/she may be removed from the team so that another student can have an opportunity to join. A student may also be removed from the team for not honoring the commitment of the signed contract.

Student First Name *:

Student Last Name *:

Parent First and Last Names *:

Student Grade *:

Student Email Address:

Parent Email Address *:

I have read and agree to the Fulton Science Academy Academic Team and Robotics

Team rules. *

Yes

No

Select all of the other academic teams that you are involved in *(Students can participate in a maximum of two teams. Exception: Students cannot do both Robotics, Science Olympiad and Math Olympiad)

Model UN

Tech Fair

Future City

Destination Imagination

Other: _____

Why do you want to be in Robotics Team? *

(To be completed by the Student! Elementary student in 50 words. Middle and High school students 100 words.)

Were you involved in any team work before? If Yes. What kind of teamwork it was. *(To be completed by the Student!)

Yes

No

Have you attended a Lego Robotics camp? Where? *(To be completed by the Student!)

What do you think might be the most enjoyable part of being a member of the robotics team? *(To be completed by the Student!)

What is special about you that you will bring to the robotics team? *(To be completed by the Student!)

You have an idea for the project or robot game. You think it's a fabulous idea. But nobody wants to do it. Now what? *(To be completed by the Student!)

Give an example of a project you have completed individually or with a team. *(To be completed by the Student!)

How do you think you will be helping Robotics Team? What are your strengths that may help Robotics Team? *(To be completed by the Student!)

Will you be able to stay and spend time after school in order to complete mission at least 2 days in a week? We may use as an additional work time Fridays and Saturdays. So please be informed that we have to do what is needed to do in order to complete mission. *Note: Failing to attend team meetings for 3 times for Robotics Team after being accepted to the team may result in being dismissed from the Team.

Yes

No

Do you have FLL experience? *

Yes

No

Do you have Robotics(Ev3, nxt, etc.) experience? *

Yes

No

Team Roles and Responsibilities:

- **Researching** – Gather information about the Challenge theme, related real-world problems and existing solutions. Invite professionals to share their knowledge with the team.
- **Community Sharing** – Consider who in the community might be impacted by or interested in your team’s problem and arrange to share your findings with them.
- **Presenting** –Design a creative presentation to show the judges your team’s work on the Project.
- **Strategy Analysis** – Analyze the robot playing field and formulate various methods for accomplishing the missions. Lead the effort to establish a consensus on the final strategic plan and think about risks and rewards of different strategies.
- **Building** – Make decisions about building and work to form consensus on the mechanical design of the robot among team members.
- **Programming** – Make decisions about programming and form consensus on programming for the robot.
- **Project Management** – Get everyone focused, make sure everyone’s ideas are heard, find compromises, and keep everyone on schedule with a timeline.
- **Marketing** – Design and create the team logo, T-shirt, or banner. Write a press release and contact the local media to increase public awareness of the team and how the team benefits from the FLL experience.
- **Documentation** – Record and document the entire team’s thoughts, actions, failures, and successes throughout the FLL season in a journal, scrapbook, storyboard, video, or other form you can display at events. During the season, these records help the team organize information for decision making. At events and tournaments, these are an excellent way to showcase the team’s activities, teamwork, and spirit for judges and event attendees.

Which of the above roles do you found yourself to fit in?

FLL requires dedication and hard work. Are you willing to sacrifice your “free time”? *

Yes

No

ROBOTICS TEAM RULES

To maintain membership in good standing with The FSAPS Robotics Team, each team member must obey the team rules. Failure to do so may result in punitive action up to dismissal from the team.

1. Team members will act in a safe manner at ALL TIMES. This includes any official or unofficial team meeting, traveling to team events, and during competitions.
2. Team members will obey ALL safety rules of the site and the work area.
3. Team members will actively practice "gracious professionalism," especially when in the presence of other FLL teams.
4. All school rules stated in the student handbook are also effective in FSAPS Robotics team.
5. The team coach might assign homework
6. A team member may receive no more than 3 unexcused absences to team meetings
7. Each team member must meet during one week during club time AS WELL AS one weekend meeting session
8. There will be extra study sessions closer to the competitions date.
9. Team members are expected to attend all scheduled full-team meetings, to arrive at the proper start time of the meeting, and leave at the proper finish time.
10. If a team member cannot attend a meeting, he/she must contact the coach PRIOR TO THE MISSED MEETING. You will be off the team if have more than 3 unexcused absences.
11. Team members are expected to be up to date with team activities and requirements (paperwork, forms, etc.).
12. Team members are expected to actively participate in meeting activities.
13. Team members are expected to take initiative to determine what tasks need to be completed in support of the team. While some downtime (lack of having a team task to work on) is expected, excessive downtime will not be tolerated.
14. Team members must be in the robotics room at ALL TIMES until the parent picks them up.
15. The FSAPS Robotics Team is an opportunity to learn from professionals and accomplish a formidable task. It is not a social club. We do expect social interactions to occur as we build a true team. Our team meetings and events (competitions, community events) are not the place for excessive socializing.
16. It is expected that each team member is responsible for whatever tasks he/she has agreed to complete. It is very important to the team that members are reliable when they say they will do something.
17. No team members will have discipline issues (referrals, suspensions, detentions) and must remain academically on track. A student with behavioral problems will be referred to Mr. Turan or Mrs. Todd with recommendation of being expelled from the club.
18. No team members will have a grade lower than 70. If a team member has a grade which is lower than 70, that team member has three weeks to raise the failing grade or be dismissed from the team
19. Horseplay and unrelated actions as well as hitting, throwing parts and doing own projects WILL NOT BE TOLERATED. Students are expected to be capable of working together even without supervision of the teacher.
20. Team members will be given one warning if he/she breaks any rule or procedure or risk disciplinary action.
21. HAVE FUN!!!!!! Being an active member of this team takes a lot of work, but the rewards are definitely worthwhile.
22. Take advantage of this opportunity to meet, interact, and compete with a diverse group of students.