

Rosarian Academy Robotics

Explore League

2nd & 3rd Grade

FIRST® LEGO® League introduces science, technology, engineering, and math (STEM) to children through fun, exciting hands-on learning. Participants gain real-world problem solving experience through a guided, global robotics program, helping today's students and teachers build a better future together. The three divisions (Discover, Explore, and Challenge) inspire youth to experiment and grow their critical thinking, coding, and design skills through hands-on STEM learning and robotics.

 About FIRST LEGO League (2021)

<https://www.youtube.com/watch?v=kkN08bDv9EI>

In the Explore division, teams of students ages 6-10 focus on the fundamentals of engineering as they explore real-world problems, learn to design and code, and create unique solutions made with LEGO bricks and powered by LEGO® Education SPIKE Essential.

Team members get to:

- Design, build, and program robots
- Apply real-world math and science concepts
- Develop problem-solving, organizational, and team- building skills
- Document the teams journey for the season

Team members are expected to:

- Work and behave as a team
- Work to find solutions with guidance from coaches and mentors
- Know our coaches and mentors don't have all the answers; we learn together
- Honor the spirit of friendly competition
- Share our experiences with others
- Display Gracious Professionalism™ and Coopertition™ in everything we do
- Have FUN!

The **Robotics Explore Team** is an October through February commitment with meetings held after school on Fridays from 3:30 - 4:30. Students in grades 2 and 3 are eligible to join. The team will participate in a festival in the month of February (Date & Time TBA) where they showcase their team models and posters and share what they've learned with volunteers, other teams, friends, and family. Each team member will receive a team shirt that we design and create as a team in the STEM Lab. All other spirit wear is encouraged and optional. All attire worn at events and practices must be school appropriate.

Space is limited. To request a spot on the team, please fill out the information below and return to your teacher or the front office by **October 4th**. Team members will be announced and notified on **October 8th**. The first meeting will be held on Friday, **October 11th**.

The fee for the robotics team is \$200. This includes registration for each event, all required materials, and a team shirt, which will be designed and created by the team in our STEM Lab. The fee will be added to your FACTs account once the team members have been selected and announced.

All students will be expected to fill out the application, including those on a team during previous school years. Please email Bradley.Fell@rosarian.org with any questions.

FLL Robotics Application

Explore Team

Student Information/Application (completing this application does not guarantee a spot on the team)

Student First Name: _____ Last name: _____

Current Grade: _____ Previous Robotics Team Member: Yes / No

Guardian Name: _____

Guardian Phone#: _____

Guardian Email: _____

Guardian Signature: _____ Date: _____

Please answer the following questions to the best of your ability.

Why do you want to join the Robotics Explore Team?

What does teamwork mean to you?

Student Signature: _____ Date: _____