

# FLL Robotics @ St. Albert's Jr. High

## New Season - FIRST RISE 2020

Throughout history, great civilizations have risen, then fallen. Now it's our turn to rise—building and bolstering our own planetary metropolis.

This 2019-2020 season, *FIRST RISE*<sup>SM</sup>, powered by *Star Wars: Force for Change*, is setting out to inspire citizens of the galaxy to work together, strengthening and protecting the Force that binds us and creating a place where collaboration and collective wisdom can elevate new ideas and foster growth.

**Together, we RISE. Join Us.**

St. Albert's Jr. High is very excited to offer First LEGO League Robotics as an elective again this 2019-2020 school year! **First Lego League (FLL)** introduces students to real-world engineering challenges by building LEGO-based robots to complete tasks on a thematic playing surface. FLL teams, guided by their imaginations and adult coaches and parents, discover exciting career possibilities and, through the process, learn to make positive contributions to society.

Participating FLL students get to:

- Design, build, and program robots using LEGO MINDSTORMS technology
- Apply real-world math and science concepts
- Research challenges facing today's scientists
- Create solutions to problems outlined in the challenge
- Learn critical thinking, team-building, and presentation skills
- Participate in tournaments and celebration

**More information about First LEGO League can be found at [www.firstinspires.org](http://www.firstinspires.org).**

### **St. Albert's 2019-2020 Season:**

August 2019 – January 2020 (April 2020 if we move on)

- Each LEGO team will have a maximum of 5-6 student participants.
- St. Albert's has 3 LEGO Mindstorms EV3 Robots. We could have 3 teams this season, if there is enough parent support. This is very exciting!
- Students will meet during elective block on Tuesdays. Each team will also meet one day after school each week until 5:30 pm. This will likely be on Tuesdays, but meeting times will not be finalized until all teams, coaches, and mentors have been determined.
- Students and parents must commit to attending occasional weekend meetings during the 2nd half of the season, Saturday OR Sunday. This will be discussed further when coaches and mentors have been determined.

- Additional after school meetings may be required during the week prior to competitions.
- Participation will be based on student commitment and parent willingness to assist. Student's application does NOT guarantee a spot on a team.
- Student must maintain a C or better in all classes in order to be eligible to participate in FLL Robotics. Weekly grade checks will occur during the season.

**Student Commitment:**

FLL is for students who are excited about science and technology and want to get involved with new challenges. Students must be willing to commit to a competitive team and are expected to take their responsibility to the team seriously. Whether building the robot, making a poster presentation, or leading the team cheer, all jobs and assignments are important and absolutely necessary for the success of the team.

**Parent/Family Commitment:**

Coaches/Mentors/Volunteers - We need you! FLL encourages parents and family members to participate at various levels. This is a hands-on, project-based program that requires active participation by both students and parents. Parent support was a crucial part of our success last year and it is expected that ALL parents will assist as needed.

**SAVE THE DATES:**

**Kickoff Event & Intro Workshops (Reno) -- Sat 24 Aug 2019 @ 9:00 AM - 2:00 PM**

**Scrimmage (Reno) -- Sat 16 Nov 2019 @ 9:00 AM - 12:00 PM**

**PTO at St. Albert's (Team Project Presentations) -- Tue 19 Nov 2019 @ 6:30 PM**

**Qualifier (Reno) -- Sat 07 Dec 2019 @ 7:30 AM - 4:30 PM**

**Qualifier (Carson City) -- Sat 14 Dec 2019 @ 7:30 AM - 4:30 PM**

**Championship (Reno) -- Sat 25 Jan 2020 @ 7:30 AM - 5:00 PM**

*Dates and times are subject to change. Additional info and updates will follow!*

**COST:**

- **We will discuss the cost breakdown at our first meeting on Wednesday, 5/29, at 6 pm.**
- We will be asking for a deposit to be paid now, and the remaining fees to be paid in the fall.
- Our goal is to be able to pay our First RISE season fees this summer, so our challenge sets will be shipped on August 1st and arrive before school starts.
- **We are still looking for sponsors and fundraising ideas that can help reduce the cost and hopefully lower the second payment.**

Please contact Ms. Johnson if your student is interested in joining FLL Robotics OR if you are interested in coaching or mentoring a team this season: [sjohnson@stalbertreno.org](mailto:sjohnson@stalbertreno.org)

There is an informational meeting on Wednesday, 5/29, at 6:00 pm in the science lab.

Thank you for your support!

