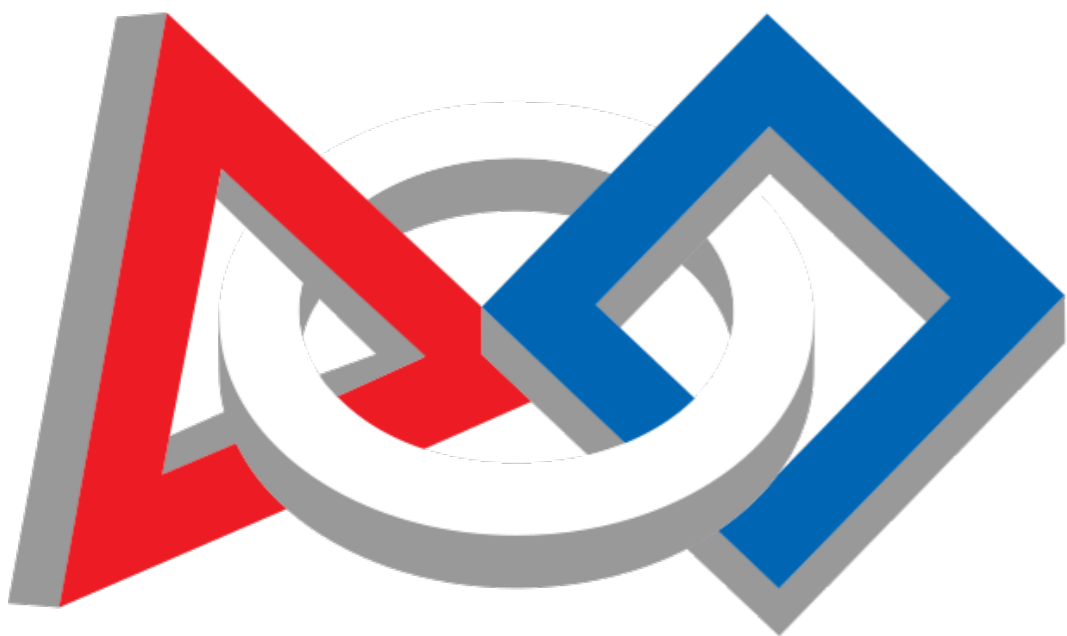


DISCOVERY ACADEMY OF SCIENCE



FIRST[®]
LEGO[®]
LEAGUE

EXPLORE

Previously Jr. FLL – Junior First Lego League

FLL Explore Presentation

1. What is FLL Explore?
2. Core Values
3. Team structure
4. Weekly meetings
5. Local events
6. What is FLL Explore
7. Questions
8. Sign up for a team

1-What is FLL Explore

- FLL Explore is the middle member of the FIRST family of robotics programs
- Each year in August, FIRST LEGO League Explore releases a new Challenge for teams that focuses on a scientific topic. Teams are sent on a journey of discovery to learn all they can about the topic, then present their findings in the form of a team poster and a LEGO model that moves.

1-What is FLL Explore

- FLL Explore is the middle member of the FIRST family of robotics programs
- FLL Explore introduces students in a playful yet innovative way to engineering, problem solving, robotics, computer programming, research and science
- FLL Explore is an EXPO not a competition utilizing nothing but LEGOS
- <https://www.firstinspires.org/>

1-What is FLL Explore



2 – Core Values

- We are a team.
- We do the work. Our coaches and mentors help us learn, but we find the answers ourselves.
- We share our experiences and discoveries with others.
- We are helpful, kind, and show respect when we work, play, and share. We call this Gracious Professionalism®.
- We are all winners.
- We have fun.



2021 FLL Explore Challenge

- Research the annual topic
- Review challenge
- Create a LEGO model using one or more simple machine
- Create a “Show-Me” poster
- Display project at EXPO



3-Team Structure

- For students ages 6 - 10 years of age (2nd – 5th grade).
- 4 to 6 students and 2 coaches per team.
- Each team must have at least 2 adult coaches.
- We have kits for up to 4 teams.



3-Team Structure

- Teams are coached by 2 Adult Volunteers
- At least one parent must pass level 2 screening on each team. The other can be level 1 but the level 2 coach must be at all meetings.
- Coaches encourage the students to do the work!
- All work is student work!



4-Weekly Meetings

- Time commitment:
 - Practice once a week for 1.5 to 2 hours.
 - Practice for about 4 to 8 weeks.
- Teams form based on students and coach availability.
- Teams meet afterschool or weekends.



5-Local Events

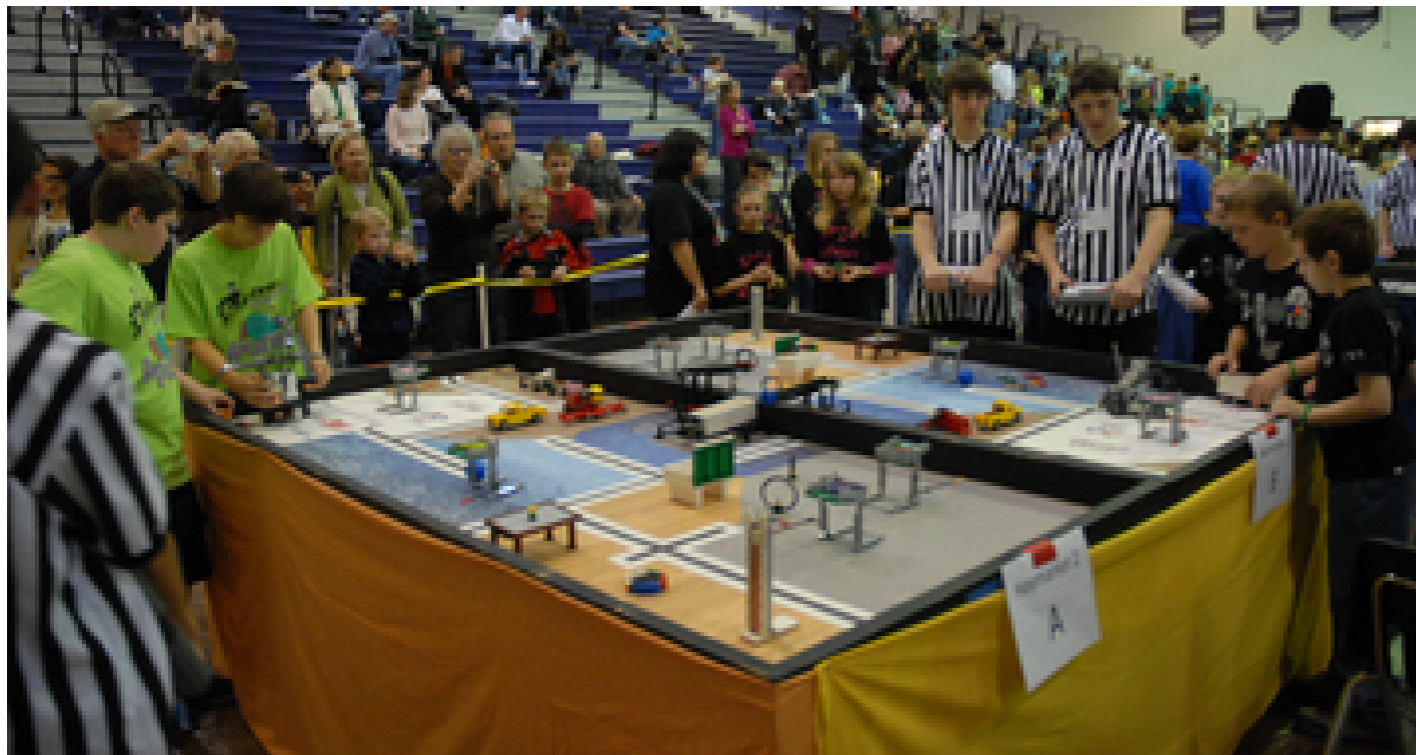
- Weekly meetings
- Participate in events in nearby cities
- Celebrate their invention and research
- Receive certificates of achievement
- Goal... Science is fun!



6-What is FLL Challenge

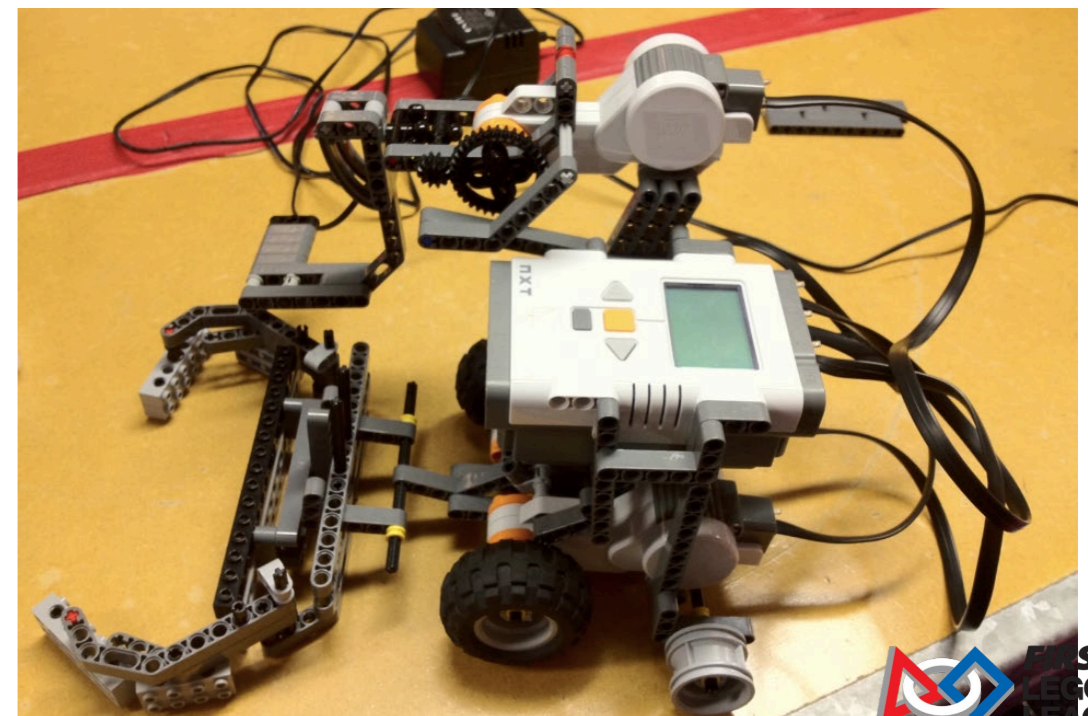
- Unlike FLL Explore, FLL Challenge is a competition
- Teams are made of Middle School students
- Teams select which local competition to attend to qualify regional
- Teams need to receive qualification to compete in regional and advanced level competitions
- Interested students should be creative, detail oriented and dedicated team player.

6-What is FLL Challenge



- Students use their prebuilt robot to complete as many tasks as they have on FLL table in 2 minutes against other team

- Each task brings certain points, team with the most points in shortest time wins the match and matches other winning teams in tournament



7 - Questions

Questions?

Reach out to
holly.baker@daspvo.org



8 – Sign UP

To request a spot on one of our teams fill out the form at:

<https://cutt.ly/FLLChallenge>

- Please fill out the form by October 27th.
- Filling out this form does not guarantee a team placement for each student.
- We will only fill as many teams as we have coaches for (max of 4 teams). We need 2 coaches per team so please consider signing up to coach.
- If a student's availability matches with a coach, then the student will be placed on a team and parent will be informed to pay signup fee, usually \$30-\$40 based on number of participants.