



# *FIRST*<sup>®</sup> LEGO<sup>®</sup> League (FLL) and *FIRST*Tech Challenge (FTC) Robotics Team Formation Night

sponsored by  
Young Innovators' Society

May 18, 2023 6:30PM

\* **Young Innovators' Society Contact Information**

**Email:** [YIS4STEM@gmail.com](mailto:YIS4STEM@gmail.com)

**Website:** [www.solonstem.org](http://www.solonstem.org)

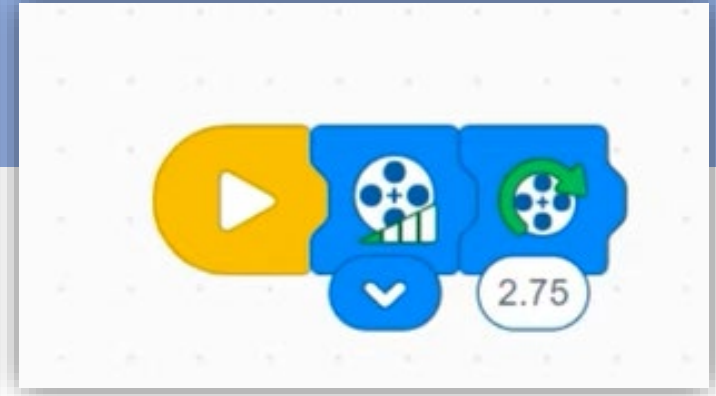
**Facebook:** Young Innovators' Society

\* ***FIRST*** [www.firstinspires.org](http://www.firstinspires.org) and Young Innovators' Society are separate non-profits

# FLL Explore

Ages 6-10 years

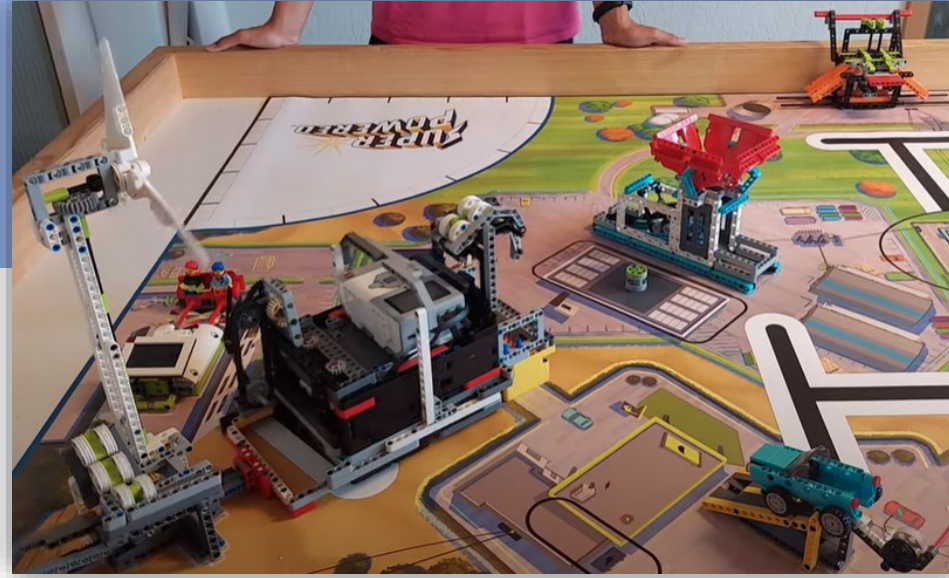
Grades 2<sup>nd</sup>-4<sup>th</sup>



- Team size: 4 to 6 students
- Season: August (or Sept) – January
- Time: 1.5 hours per week
- Cost: approximately \$400 per team
- YIS dues are \$25 which is included above.
- After about 3 months of weekly team sessions, students can register with *FIRST* ‘festivals’ in near by cities to show off and present what they have learned in front of judges and see what other teams have done
  - 3 panel Poster
  - Q&A with judges
  - Motorized LEGO™ models with Programming
- Festivals are non-competitive

# FLL Challenge

Ages 9-14 years  
Grades 4th-8th

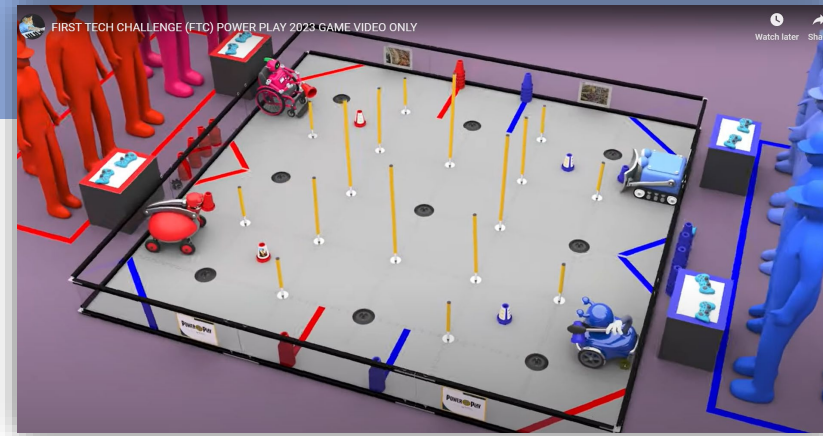


- Team size: 3 to 10 students
- Season: August (or Sept) – January
- Time: 3 - 6 hours per week
- Cost: approximately \$250-300 per person
- YIS dues are \$40 which is included above.
- After about 3 months of weekly team sessions, students can register with *FIRST* 'tournaments'
  - Robot Design Presentation
  - Innovation Project Idea and Design
  - Solve Real time LEGO™ robot missions
- Tournaments are competitive from regionals to nationals

# FIRST Tech Challenge

Ages 12-18 years

Grades 7<sup>th</sup> -12<sup>th</sup>



- Team size: 3 to 10 students
- Season: Sept-February
- Time: 2 - 6 hours per week
- Cost: approximately \$300 per person
- YIS dues are \$80 which is returned to the team
- Non-LEGO robotics kit
  - Build a robot
  - Help others – outreach, outreach, outreach!
  - Program using OnBot Java (or other tools)
- Tournaments are competitive from regionals to nationals

# Coaches and Co-Coaches needed

Volunteer parents are the coaches

- FLL and FTC are formed around a Coach with Co-Coach and Mentor
- An example team formation might be
  - Volunteer parent as Coach to organize the team, register team with YIS and *FIRST*
  - Volunteer parent as Co-coach to assist with execution of meetings
  - Mentor can be a parent, YIS, co-worker, etc. to help technically
  - Other parent volunteers to help with hosting meetings, snacks, T-shirt design, Table Design
- Coaches get a balloon and form a team!



# Please perform appropriate checklist before you leave tonight!

## **Coaches**

- Get the contact (email and mobile) info for each team member
  - Send a hello via email or text to the entire team ASAP
- Use the QR Code for Team Registration
- Optionally plan to attend Saturday June 3 Coaches Meeting 10AM-11AM at Solon Library Conference Room
- Optionally plan to attend to be announced Coach Roundtables when season starts in August

## **Parents of students who found a team**

- Get the contact (email and mobile) info for your coach
  - Send a hello via email or text
- Optionally use the Non-Coaches QR code to get same communications as coaches

## **Parents of students who couldn't find a team**

- Use the QR Code for Individuals who still need a team. YIS will distribute your information to teams needing more students.
- Worst case plan to attend August Last Chance Night to be announced on [WWW.SOLONSTEM.ORG](http://WWW.SOLONSTEM.ORG)



Coaches -  
register your  
team

<https://solonstem.org/teamformation#no-back>

Students –  
still need  
a team



<https://solonstem.org/needteam#no-back>

Non-Coaches -  
want all coach  
notifications



<https://solonstem.org/notifyme/#no-back>

# YIS Helpers in Attendance

- Thomas Sugimoto
- Anju Agarwal
- Erika Buehman
- Sambit Sahoo