

# FIRST® Alumni & Robotics at Ohio State

## 2020-2021 SPONSOR PACKET



FIRST® (For Inspiration and Recognition of Science and Technology) is an international non-profit organization founded in Machester, NH in 1989 by Dean Kamen and Woodie Flowers. Their mission is to inspire PreK-12 students to be engaged in science and technology through mentor-based programs.

FIRST® Alumni & Robotics at Ohio State (FROS) is an active student organization, founded in 1996, focused on supporting FIRST teams and events locally and throughout the state of Ohio. Our mission is to gain recognition within our university as well as the Central Ohio region through mentorship, community service, and outreach on a local and national scale. We provide mentorship to local teams of all levels, host and volunteer at official and off-season events, and participate in building a robot in three days. Many of our members are alumni from FIRST programs, but we are open to any student, staff, or faculty member who is interested in FIRST.



# Partnering with FROS

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Our organization is seeking partners who are dedicated to providing youth with the equipment, resources, and support needed to grow their STEM skills and confidence. We are interested in forming lasting partnerships to connect not just our organization, but teams in our area. All of our funds go to supporting teams, running workshops, and organizing FIRST-related events.

A list of sponsorship levels and benefits is found below. In addition to any benefits described in the sponsorship levels chart, every partner is invited to attend our events to witness the impact that FIRST can have on people's lives and communities.

Your company's support would directly support hundreds of children in the greater Columbus area. Our organization is committed to working to foster real change until every child in Columbus has access to FIRST, STEM, and encouraging mentors.

## 2020-21 Sponsorship Levels

### **Bronze** **< \$500**

- Logo and company name displayed on website
- Logo displayed on outreach documents
- Personalized thank you letter
- Access to annual sponsorship newsletter
- Small logo displayed on Robot in 3 Days media

### **Silver** **\$500 - \$999**

- All the benefits listed above
- Small logo displayed on apparel
- Logo displayed at FLL, FTC, and FRC events
- Small logo displayed on Robot in 3 Days robot

### **Gold** **\$1,000 - \$2,999**

- All the benefits listed above
- Large logo displayed on apparel
- 2 minute keynote at FLL, FTC, and FRC events
- Large logo displayed on Robot in 3 Days robot
- Large logo displayed on Robot in 3 Days media

### **Platinum** **≥ \$3,000**

- All the benefits listed above
- Eligible for OSU President's Club\*
- 4 minute keynote at FLL, FTC, and FRC events
- Show corporate video at FLL, FTC, and FRC events
- Access to a table at FLL, FTC, and FRC events
- Receive framed Robot in 3 Days team photo

\*Benefits include membership opportunities to the OSU Golf Club, the Faculty Club, recreational sports facilities, access to libraries, opportunity to purchase season football tickets, and many others. The program is only open to private donations; companies are ineligible. For more information about the President's Club, please visit [giveto.osu.edu/areas/pc/index.asp](http://giveto.osu.edu/areas/pc/index.asp).

# FIRST LEGO League Jr. (FLL Jr.)

## WHAT IS FLL JR?

FIRST LEGO League Jr. (FLL Jr.) is designed to introduce STEM concepts to kids ages 6 to 10 while exciting them through a brand they know and love - LEGO.

Students build LEGO models and create Show Me posters to present what they learned. The program focuses on building interest in STEM through a real-world challenge - to be solved by research, critical thinking, and imagination.



FIRST LEGO League Jr. students receiving an award following their exhibition



An example FIRST LEGO League Jr. board

## WHAT WE DO

While our work is mainly focused on the older FIRST age groups, we are planning to host a FIRST LEGO League Jr. Exhibition at our future FIRST LEGO League events being held on campus.

This gives us the opportunity to further develop the FIRST pipeline in Columbus and offer even more chances for students and other community members to explore FIRST and STEM.



**FIRST**  
**LEGO**  
**LEAGUE JR.**



# FIRST LEGO League (FLL)

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## WHAT IS FLL?

The FIRST LEGO League (FLL) program is built around theme-based challenges to engage children ages 9 to 14 in research, problem solving, coding, and engineering.

The foundation of the program is the FIRST Core Values, which emphasize teamwork, discovery, and innovation. Students emerge more confident, excited, and equipped with the skills they need in a changing workforce.



FIRST LEGO League Robot during the 2019-2020 City Shaper season



Our dedicated and hard working volunteers getting ready for the opening ceremonies

## WHAT WE DO

Since 2018, we have hosted a FIRST LEGO League regional qualifier each competition season. We coordinate with volunteers, donors, and corporations to put on a spectacular event for each and every team in attendance.



**FIRST**  
**LEGO**  
**LEAGUE**



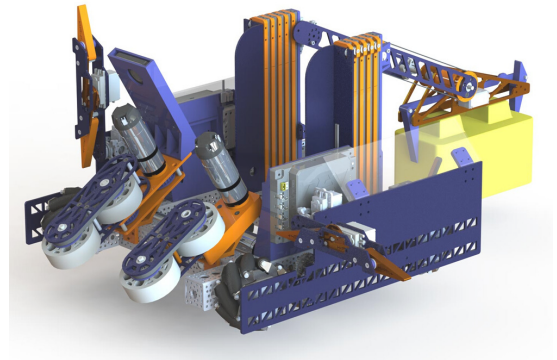
# FIRST Tech Challenge (FTC)

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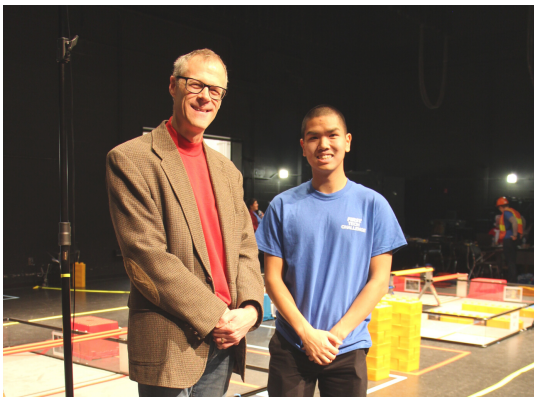
## WHAT IS FTC?

The FIRST Tech Challenge (FTC) program is centered around themed competitions for students ages 12 - 18 in designing, engineering, and documenting a 42-pound robot and technical work.

A big theme among FTC is documentation and students are encouraged to use professional platforms to create, improve, and share their work. It is very common for teams to share entire CAD files of their robot with other teams following its construction.



An example CAD rendering of a FIRST Tech Challenge competition robot



FROS President with the Dean and Director of Ohio State Newark

## WHAT WE DO

We support multiple regional FIRST Tech Challenge competitions each year. We provide many volunteers for key roles like judges and referees. We love volunteering at these events because it allows us to further connect with youth in our communities and connect them to resources to assist them in their seasons. Starting in 2021, we are hosting our own regional tournament on our main campus.



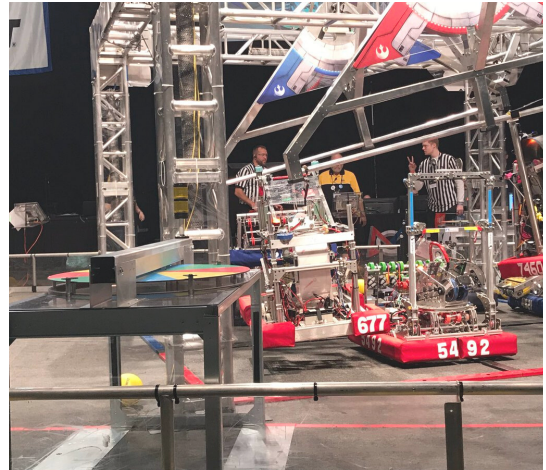
**FIRST**  
**TECH**  
**CHALLENGE**

# FIRST Robotics Competition (FRC)

## WHAT IS FRC?

The FIRST Robotics Competition (FRC) program is a themed competition for students ages 14 - 18 in designing, building, testing, and documenting a 125-pound robot and technical work.

The foundation of this program is centered around two values: "Gracious Professionalism" and "Coopertition". Students in this program are tasked to design a team brand, raise funds, engineer a robot, and compete against other teams. Students say it is "the hardest fun you'll ever have."



FIRST Robotics Competition teams 677 (Murphy's Outlaws) and 5492 (Winner's Circle Robo Jockey's) hanging during a match



FIRST Robotics Competition team 128 (The Botcats) at a community outreach event

## WHAT WE DO

We provide mentors and resources for 14 teams in Central Ohio. We also provide volunteers for competitions to fill both technical and non-technical positions. Additionally, we host a kickoff event every January that attracts over 200 attendees, marking the beginning of the competition build season.



**FIRST**  
**ROBOTICS**  
**COMPETITION**

# Robot in 3 Days (Ri3D)

## WHAT IS Ri3D?

Robot in 3 Days (Ri3D) is an event where collegiate FIRST organizations build a robot in accordance with the current FIRST Robotics Competition guidelines. This event starts as the kickoff event ends and ends after a strict 72 hours.



FIRST Alumni and Robotics at Ohio State's robot "THE" at the FIRST Alumni Collegiate Competition.

## WHAT WE DO

The main focus of this program is to provide the FIRST community with documentation, prototypes, and strategic analysis of the guidelines. This program also allows members to gain project experience and develop individual engineering skills.



FROS' Ri3D team with other collegiate teams at the FIRST Alumni Collegiate Competition.



# Other Initiatives

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## FIRST NATIONAL ADVOCACY CONFERENCE

The FIRST National Advocacy Conference (NAC) is an annual event in Washington D.C. where students and mentors are trained to meet and form meaningful relationships with legislators in Congress to advocate for FIRST and STEM initiatives. In the past, our student organization has subsidized the registration cost for attendance and provided transportation for students in Central Ohio, and we are looking forward to continuing this initiative.



## SCHOLARSHIPS

Our student organization supports and promotes a scholarship generously provided by The Ohio State University College of Engineering. This competitive, merit-based \$1,000 award is given to up to 20 incoming freshmen annually for students that have participated on any FIRST Tech Challenge or FIRST Robotics Competition team.



**THE OHIO STATE UNIVERSITY**  
COLLEGE OF ENGINEERING



2017 FIRST National Advocacy Conference in Washington, D.C.