

## Volunteer Opportunities - FIRST Robotics in Kansas City 2019-2020 Season



KC STEM Alliance provides the FIRST Robotics Tournament experience to over 3000 Kindergarten -12<sup>th</sup> grade students in the Kansas City area. We welcome your help at these exciting STEM events. Four programs make up FIRST in Kansas City and the volunteer roles are many and diverse.

To sign up for any of these events, go to [www.firstinspires.org](http://www.firstinspires.org), click on **Sign Up** or **Log In** in the upper right corner and then “**Volunteer for an event.**” **Note:** make sure to look under Kansas *and* Missouri to see all of our events as listed below.



This year’s game is



FIRST LEGO League Junior is designed to introduce STEM concepts to kids ages 6 to 10 using a brand they know and love – LEGO®. Teams of up to 6 bring their project to Expos to present their learnings to Reviewers who give the team positive feedback and reinforce the team’s learnings. To volunteer for FLL JR events, please contact Chrissy Chandler at [gst-cchandler@kcstem.org](mailto:gst-cchandler@kcstem.org).

**Volunteer needs:** Reviewers (aka: judges), check-in and directional support

### Expo Dates/Locations:

**all events are held on Saturdays**

November 9 <sup>th</sup>	Olathe Northwest High School	Olathe	Kansas
February 29 <sup>th</sup>	Lee’s Summit North High School	Lee’s Summit	Missouri
March 21 <sup>st</sup>	Olathe South High School	Olathe	Kansas
April 25 <sup>th</sup>	Center Middle School	Kansas City	Missouri



This year’s game is



Guided by two or more adult Coaches, FIRST LEGO League teams (up to 10 members, grades 4-8) research a real-world problem (this year deals with humans in space) and develop a solution. They also must design, build, and program a robot using LEGO MINDSTORMS, then compete on a table-top playing field. Teams compete at a qualifier and can advance to the Kansas City Championship on January 25<sup>th</sup>.

**Volunteer needs:** Team judges, robot game referees, scorekeepers, check-in and directional support, field reset, practice table assistants, timers, traffic control/security, setup/tear down

### Tournament Dates/Locations:

**all events are held on Saturdays**

November 9 <sup>th</sup>	Olathe Northwest High School	Olathe	Kansas
November 16 <sup>th</sup>	Center Middle School	Kansas City	Missouri
November 23 <sup>rd</sup>	Bingham Middle School	Independence	Missouri
December 7 <sup>th</sup>	Wyandotte High School	Kansas City	Kansas
December 14 <sup>th</sup>	Lawrence High School	Lawrence	Kansas
January 25 <sup>th</sup>	Hy-Vee Arena	Kansas City	Missouri

# Volunteer Opportunities - FIRST Robotics in Kansas City 2019-2020 Season



This year's game is



FIRST Tech Challenge teams (10+ members, grades 7-12) are challenged to design, build, program, and operate robots to compete in a head-to-head challenge in an alliance format.

**Volunteer needs:** Team judges, robot game referees, scorekeepers, check-in and directional support, field reset, practice field assistant, timers, traffic control/security, setup/tear down, robot inspectors, control system advisors

**Event Dates/Locations:**

**all events are held on Saturdays**

November 2 <sup>nd</sup>	Notre Dame De Sion Meets	Kansas City	Missouri
November 9 <sup>th</sup>	Heritage Christian Academy Meets	Olathe	Kansas
November 16 <sup>th</sup>	Center HS Meets	Kansas City	Missouri
December 7 <sup>th</sup>	KC Engineering Zone Meets	Kansas City	Missouri
December 14 <sup>th</sup>	Pleasant Lea MS Qualifier	Lee's Summit	Missouri
January 11 <sup>th</sup>	Yeokum Center Qualifier	Belton	Missouri
January 18 <sup>th</sup>	St. Teresa's HS Meets	Kansas City	Missouri
January 25 <sup>th</sup>	Lee's Summit HS Meets	Lee's Summit	Missouri
February 15 <sup>th</sup>	Blue Springs HS Conference Qualifier	Blue Springs	Missouri



This year's game is



Under strict rules, limited resources, and an intense build period, teams of students are challenged to raise funds, design a team "brand," hone teamwork skills, and build and program industrial-size robots to play a difficult field game against like-minded competitors.

**Volunteer needs:** Team judges, robot game referees, scorekeepers, check-in and directional support, field reset, practice field assistant, timers, traffic control/security, setup/tear down, safety glasses attendant, pit administration, concessions, robot inspectors, control system advisors, field technical advisors.

**Event Dates/Locations: 3 regional tournaments are held in our region this year**

Feb 28 <sup>th</sup> – Mar 1 <sup>st</sup>	Greater Kansas City Regional	Lee's Summit North HS	Lee's Summit, MO
March 19 <sup>th</sup> – 21 <sup>st</sup>	Heartland Regional	Olathe South HS	Olathe, KS
April 3 <sup>rd</sup> – 5 <sup>th</sup>	Central Missouri Regional	Smith-Cotton HS	Sedalia, MO

Dates and venues are subject to change. Check [www.kcfirst.org](http://www.kcfirst.org) for latest information.