

Volunteer Opportunities - FIRST Robotics in Kansas City 2017-2018 Season



KC STEM Alliance provides the FIRST Robotics Tournament experience to over 3000 Kindergarten -12th 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, 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 Showcases to present their learnings to Reviewers who give the team positive feedback and reinforce the team’s learnings.

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

Event Dates/Locations:

all events are held on Saturdays

November 11 th	Olathe Northwest High School	Olathe	Kansas
November 18 th	Summit Lakes Middle School	Lee’s Summit	Missouri
April 7 th	Center Elementary 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 the human/water cycle) 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 20th.

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

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This year's game is 

Event Dates/Locations:

all events are held on Saturdays

November 11 th	Olathe Northwest High School	Olathe	Kansas
November 18 th	Summit Lakes Middle School	Lee's Summit	Missouri
December 2 nd	Bingham Middle School	Independence	Missouri
December 9 th	Wyandotte High School	Kansas City	Kansas
December 16 th	Lawrence High School	Lawrence	Kansas
January 20 th	MCC- Business & Technology	Kansas City	Missouri



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

December 9 th	Notre Dame De Sion High School	Kansas City	Missouri
January 20 th	Blue Valley CAPS High School	Overland Park	Kansas
February 10 th	Blue Springs High School	Blue Springs	Missouri



This year's game is



Under strict rules, limited resources, and an intense six-week time limit, 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: Location for all Is MCC-Business & Technology

Fri, March 9 th	Heartland Regional: Robot Inspection and Practice	Missouri
Sat, March 10 th	Heartland Regional: Qualification Rounds	Missouri
Sun, March 11 th	Heartland Regional: Qualification and Final Rounds	Missouri
Thurs, March 15 th	GKC Regional: Robot Inspection and Practice	Missouri
Fri, March 16 th	GKC Regional: Qualification Rounds	Missouri
Sat, March 17 th	GKC Regional: Qualification and Final Rounds	Missouri