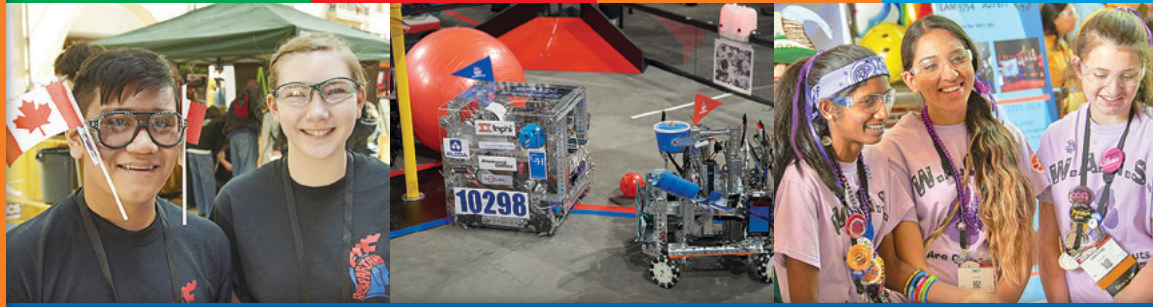




# FIRST TECH CHALLENGE



## AT-A-GLANCE

“Programs and initiatives aimed at capturing students’ creativity and hunger for knowledge will help our students prepare for college and life in the professional world. The *FIRST*® Tech Challenge has quickly become an integral part of our efforts in encouraging students to take an interest in math and science.”

» HON. DONALD L. CARCIERI,  
FORMER GOVERNOR OF  
RHODE ISLAND

“People should get involved in *FIRST* Tech Challenge because it’s a great way to make real-world connections with people in industries relating to STEM and to gain real-world experience in those fields.”

» DANIEL MILLER, MEMBER,  
*FIRST* TECH CHALLENGE  
TEAM 3550, “BETA”

### Team demographics

- Young people, ages 12-18 (Grades 7-12)
- Up to 10 students per team
- 2 to 3 mentors per team

### Events

- Events are exciting and fast-paced, and offer opportunities to connect with students/teams from diverse backgrounds
- 500 Official Competitions, worldwide
- More than 15 countries
- Up to 48 teams per regular season event

### The game

- The 2017-2018 game – *FIRST*® RELIC RECOVERY<sup>SM</sup> presented by Qualcomm® Incorporated – where teams score points by moving glyphs into their alliance’s cryptoboxes and creating cipher patterns. Alliances also earn points by moving their relics to safety in the recovery zones.

### The robot

- Starting maximum dimensions:  
18" W x 18" L x 18" H

### The robotics kit

- Powered by Android technology
- Professional-quality software options
- 11 motors, 9 sensors, 2 game controllers, wireless communications and metal gears; and all the building materials you need

### The field

- Playing area: 12' W x 12' L
- New game elements are introduced every year

### The awards

- **Inspire Award** – team that best exemplifies the spirit of the *FIRST* Tech Challenge and acts as an ambassador for *FIRST* in its community
- **Think Award** – team that best manages the engineering design process
- **Connect Award** – team most connected to the local and engineering community
- **Rockwell Collins Innovate Award** – team with the most ingenuity and inventiveness
- **Design Award** – team with the most compelling industrial design elements
- **Motivate Award** – outstanding team spirit and enthusiasm
- **Control Award** – team that uses sensors and software to enhance the robot’s functionality on the field
- **Promote Award** – challenges teams to submit a high quality 60-second PSA (Public Service Announcement) based on an annual theme
- **Compass Award** – teams submit a video nominating an outstanding coach or mentor
- **Winning Alliance Award** – Alliance that wins the final elimination rounds
- **Finalist Alliance Award** – Alliance in the final match of the competition

## GET INVOLVED!

Join or start a team in your area



Sponsor a team, event, or local *FIRST*<sup>®</sup> program



Become a team mentor or coach



Volunteer to fill over 100 roles

FOR INFORMATION ABOUT *FIRST* IN YOUR AREA:

[www.firstinspires.org/contactus](http://www.firstinspires.org/contactus) | (603) 666-3906 | (800) 871-8326



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