



# FIRST TECH CHALLENGE



## HOW IT WORKS

### FIRST EFFECTS

Evaluation data indicates that...

#### Among FIRST® Tech Challenge participants:

- › 86% are more interested in doing well in school
- › 84% plan to take a more challenging math or science course
- › 84% are more interested in going to college

#### Among FIRST participants:

- › 98% improved problem solving skills
- › 95% increased time management skills
- › 93% increased conflict resolution skills
- › 76%+ strengthened communication skills
- › 75% of FIRST Alumni are in a STEM field as a student or professional

2011 FIRST Robotics Competition – FIRST Tech Challenge Evaluation Survey of FIRST Robotics Competition and FIRST Tech Challenge Alumni

### The FIRST® Tech Challenge (Ages 12-18, Grades 7-12)

- Provides affordable, accessible opportunities to compete head to head using an exciting sports model
- Offers students a chance to develop strategy and build robots based on sound engineering principles

#### How it works

- Ages 12-18 (Grades 7-12)
- Up to 10 students per team
- 2 to 3 mentors per team
- Teams use a modular robotics platform – powered by Android technology – to design, build, and compete in a FIRST-designed game
- Includes schools, home schools, after-school groups, churches, civic organizations, neighborhood groups
- Corporate sponsors
- Exciting sports-like events with judges and awards
- Up to 48 teams per regular season event
- Adaptable program that can be used in and out of the classroom

### What it offers

- Explore the creative problem-solving process within an intense, fun sports competition model
- Be part of an engaged and supportive community
- Design, build, and program robots
- Gain hands-on programming and rapid-prototyping experience
- Apply real-world math and science concepts
- Document the engineering process
- Develop problem-solving, organizational, and team-building skills
- Learn about *Gracious Professionalism*®
- Compete and cooperate in Alliances at tournaments
- Build life skills while building robots and work towards participating in tournaments and FIRST Championship
- Qualify for more than \$50 million in college scholarships
- Have fun!

### 2017–2018 Season overview\*

May 11, 2017 .....	Registration Opens
September 9, 2017 .....	Kickoff
October – February .....	Leagues and Meets
November – March.....	State and Regional Tournaments
March.....	Super-Regional Championship Tournaments
April 18-21, 2018 .....	FIRST Championship Houston/ FIRST Tech Challenge World Championship
April 25-28, 2018.....	FIRST Championship Detroit/ FIRST Tech Challenge World Championship

\*Visit <http://www.firstinspires.org/robotics/ftc> for the most up-to-date details.

## 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



FOR INSPIRATION & RECOGNITION OF SCIENCE & TECHNOLOGY

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