



“This competition gives kids a chance to hone their technical skills and more importantly develop a team concept where they work toward common goals, as they will in the workplace in the future.”

Doug Scott,
FTC Team Coach

“When you’re learning in class you’re getting the basics, an outline. But, it’s nothing compared to a hands-on, practical application of what you’re doing. It’s worth so much more.”

Thomas Cioppettini,
FTC Team Member

“These kids are excited about learning the way kids get excited about a basketball game.”

Jim Schulte,
FTC Affiliate Partner

FIRST
200 Bedford Street
Manchester, NH 03101
800.871.8326
www.usfirst.org

FIRST TECH CHALLENGE: AT-A-GLANCE

Team Demographics

- » High-school-aged young people
- » Up to 10 students per team
- » 2-3 mentors per team

Events

- » Tournament structure
- » 30 tournaments
- » U.S., Canada, Mexico
- » Up to 50 teams per event

The Game

- » “Quad Quandary”
- » Matches feature autonomous and operator-controlled periods
- » Robots place 3" PVC rings on movable single or paired goals, side goals, or posts

The Robot

- » Maximum dimensions:
18" W X 18" L X 18" H

The Field

- » Playing area: approximately 12' W X 12' L

The Robotics Kit

- » Over 500 parts per kit
- » Features
 - Customizable, with unlimited design possibilities
 - Variety of different functions, e.g. 4-wheel robots, crawlers
 - Remote control with alternate frequencies for multiple robots to operate simultaneously
 - Programmable for autonomous functionality (programming kit required)

FTC Awards

- » Inspire Award
- » Winning Alliance Award
- » Finalist Alliance Award
- » Amaze Award
- » Connect Award
- » Innovate Award
- » Motivate Award
- » Think Award

