



The **FIRST**® Tech Challenge: **HOW IT WORKS**

FIRST EFFECTS

FIRST participants are significantly more likely to attend college

Twice as likely to go on to major in science and engineering

Three times more likely to specifically major in engineering

Young women in FIRST are four times more likely to expect to pursue science and engineering in college

Minority members of FIRST teams are more than twice as likely to enter the fields of science and engineering

Interest in pursuing careers in math and science has risen 84 percent

90 percent cite FTC as sparking interest in math and science

Source: Brandeis University Study

The **FIRST**® Tech Challenge (FTC®) (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 FTC Works

- Grades 7-12
- About 10 students per team
- 2 to 3 Mentors per team
- Teams use a modular robotics platform to conceive, build, and compete in a FIRST-designed game
- Includes schools, home schools, after-school groups, churches, civic organizations, neighborhood groups
- Corporate Sponsors
- Sports-like events with judges and awards
- Up to 48 teams per event
- Can be used in and out of the classroom

2013–2014 Season Overview*

May 15, 2013..... Online Registration Opens
September 7, 2013..... Kickoff
November – March..... State and Regional Tournaments
April 23-26, 2014..... FIRST Championship/
FTC World Championship Event

*Visit www.usfirst.org/FTC/ for the most up-to-date details.



What FTC Offers

- Design, build, and program robots
- Get 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
- Earn a place in the FTC World Championship
- Qualify for more than \$10 million in college scholarships



FOR INSPIRATION AND RECOGNITION OF SCIENCE AND TECHNOLOGY **FIRST**

Get Involved!

Join or start a team in your area



Sponsor a team, event, or local *FIRST* program



Become a team Mentor or Coach



Volunteer to fill over 100 roles

For information about *FIRST*® in your area:

WWW.USFIRST.ORG/CONTACTUS
603-666-3906



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