





## 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

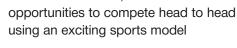
Source: Brandeis University Study

### The FIRST® Tech Challenge (FTC®) (Grades 7-12)

- Provides affordable, accessible using an exciting sports model
- Offers students a chance to develop strategy and build robots based

### 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



on sound engineering principles

### 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

### 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.



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# 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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