

“ We see *FIRST*'s impact when young men and women who never dreamed of going to college are headed to a university on a *FIRST* scholarship to study science or engineering.”

Paul Gudonis, *FIRST* President

“ *FIRST* isn't about robots, it's about developing life skills. The partnership between academia, community and industry...will build future employees and future citizens.”

Steve Sanghi, Chairman of the Board, President and CEO, Microchip Technology Inc. and Member of *FIRST* Board of Directors



“ To create a world where science and technology are celebrated...where young people dream of becoming science and technology heroes.”

Dean Kamen, Founder

For Inspiration and Recognition of Science and Technology

FIRST (For Inspiration and Recognition of Science and Technology) was founded by inventor **Dean Kamen** to inspire an appreciation of science and technology in young people. Based in **Manchester, NH**, the **501 (c) (3)** not-for-profit organization designs accessible, innovative programs to build self-confidence, knowledge and life skills while motivating young people to pursue opportunities in science, technology, engineering and math.

Impact Overview

FIRST participants are

- ▶ 50% more likely to attend college
- ▶ Twice as likely to go on to major in science or engineering
- ▶ Three times as likely to major specifically in engineering
- ▶ More than twice as likely to volunteer in their communities

Upon entering college, they are

- ▶ Ten times as likely to have an internship with a company
- ▶ Four times more likely to expect to pursue a career in engineering

Source: Brandeis University Evaluation

Get Involved

- ▶ Start or join a team in your area
- ▶ Sponsor a team or event
- ▶ Become a mentor
- ▶ Volunteer in any of 100+ roles

Contact *FIRST*

Visit www.usfirst.org for information, stories, photos, and contacts and events in your area

Call **800-871-8326** or 603-666-3906

E-mail us via www.usfirst.org/contactus

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“It’s like life. There’s never enough information. Never enough time. There’s always competition and you need a strategy. We’ve created a microcosm of the real engineering experience.”

Woodie Flowers, *FIRST* National Advisor

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

Doug Scott, Natick High School Teacher and FTC Team Coach

“FLL is a tremendous way to get kids to think about ways to solve problems.”

Paul Williams, Rhode Island Department of Education

> **FIRST ROBOTICS COMPETITION**

The **FIRST Robotics Competition** (FRC) combines the excitement of sport with science and technology to create a unique varsity sport for the mind. FRC helps high school students discover the rewarding and engaging process of innovation and engineering.

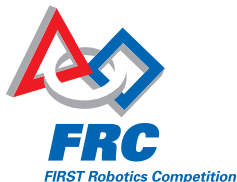


Students can:

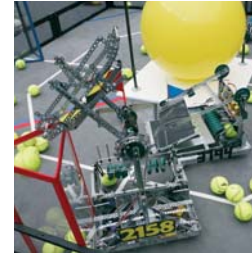
- ▶ “Play with the Pros” and work with professional engineers
- ▶ Design, build and program robots
- ▶ Earn a spot at the Championship
- ▶ Qualify for \$8 million in scholarship funds

FRC is a fascinating, real-world, professional experience and helps students see the value of education and careers in science, technology, engineering and math.

It’s the hardest fun ever.



> **FIRST TECH CHALLENGE**



The **FIRST Tech Challenge** (FTC) offers high school students the traditional challenge of a **FIRST** competition, but with a more accessible and affordable robotics kit.

- ▶ Design, build and program robots
- ▶ Use the Vex® Robotics Design System
- ▶ Apply real-world math and science concepts
- ▶ Develop problem-solving, organizational and team-building skills
- ▶ Compete and cooperate in alliances at tournaments
- ▶ Qualify for scholarship funds

FTC makes it easy and fun to create and test innovative designs and explore robotics concepts.



> **FIRST LEGO® LEAGUE** > **JUNIOR FIRST LEGO LEAGUE**

The **FIRST LEGO® League** (FLL) asks kids, 9 to 14, to face real-world engineering challenges, discover career possibilities and learn to make positive contributions to society. Teams are guided by their imaginations and adult mentors.



FLL offers the opportunity to:

- ▶ Design, build and program robots using LEGO MINDSTORMS® technology
- ▶ Research challenges facing today’s scientists
- ▶ Learn teamwork and presentation skills

FLL teams can compete in tournaments and present their solutions to a panel of judges.

Junior FIRST LEGO League (JFLL) introduces kids, 6 to 9, to the wonders of science and technology with a challenge based on the same real-world theme as FLL.

FLL and JFLL are a result of a partnership between **FIRST** and The LEGO Group.

