



FIRST ROBOTICS COMPETITION

- » Over 75% of FIRST® Alumni are in a STEM Field as a student or professional



“...It’s like life. You never have enough information. You never have enough time. The kit of materials may be what you have in the warehouse. There are always people doing competing things and you must have a strategy. We’ve created a microcosm of the real engineering experience.”

» WOODIE FLOWERS
FIRST DISTINGUISHED ADVISOR



HOW IT WORKS

What is it?

- A unique varsity *Sport for the Mind™* designed to help high-school-aged young people discover how interesting and rewarding the lives of engineers and scientists can be.

Why is it unique?

- It is a sport where participants play with and learn from the pros
- Designing and building a robot is a fascinating real-world professional experience
- Competing brings participants as much excitement and adrenaline rush as conventional varsity tournaments
- The game rules are a surprise every year

The hardest fun you’ll ever have

FIRST Robotics Competition combines the excitement of sport with the rigors of science and technology. To meet a new challenge each year, teams hone teamwork skills, design, build, and program a robot in a limited time to perform tasks against a field of competitors, create a team “brand,” and raise needed funds. Participants use the same tools used by professional engineers, LabVIEW® graphical design software from National Instruments. Professional mentors provide their time and talents to help each team succeed.

FIRST Robotics Competition is as close to real-world engineering as a student can get. It’s a sport where all participants can choose to become a professional.



Get started:

You’ll need...

- High-school-aged students from your school and/or community
- Adult mentors/coaches
- Financial sponsors
- A meeting place
- Tools
- Time
- Passion and dedication



Proven, verifiable impact for participants in *FIRST* Robotics Competition



98%
IMPROVED PROBLEM
SOLVING SKILLS



95%
INCREASED TIME
MANAGEMENT SKILLS



93%
INCREASED CONFLICT
RESOLUTION SKILLS



OVER 76%
STRENGTHENED
COMMUNICATION SKILLS

Source: Brandeis University, 2011 *FIRST*® Tech Challenge – *FIRST*® Robotics Competition Evaluation and 2013 *FIRST*® LEGO® League Evaluation

FOR INFORMATION ABOUT *FIRST* IN YOUR AREA:

www.firstinspires.org/contactus | (603) 666-3906 | (800) 871-8326



FOR INSPIRATION & RECOGNITION OF SCIENCE & TECHNOLOGY

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