

FAQs

Q: IS ANY PRIOR EXPERIENCE REQUIRED?

A: No! Anybody can participate in FIRST, regardless of experience. The mission of FIRST is to inspire young people of all different backgrounds to become innovators, and the journey to a brighter future all starts with people just like you!

Q: WHAT DO YOU REALLY DO IN FIRST?

A: FIRST is more than just robots. In addition to programming, designing, and building a robot using the engineering process, students can gain valuable skills in entrepreneurship, be a leader in their own community, and become a part of an extensive network of STEM professionals.

Q: WHAT WILL MY CHILD GAIN FROM FIRST?

A: FIRST participation is proven to encourage students to pursue education and careers in STEM-related fields, inspire them to become leaders and innovators, and enhance their 21st century work-life skills such as communication, conflict resolution, time management, and problem-solving.

WANT TO KNOW MORE?

Email us at team7161@gmail.com

RESOURCES

FIRST WEBSITE

for more information regarding the programs offered by the organizations, what they consist of, and how to get started.

firstinspires.org

HYDRA

7161hydra.com



@team7161



@team7161

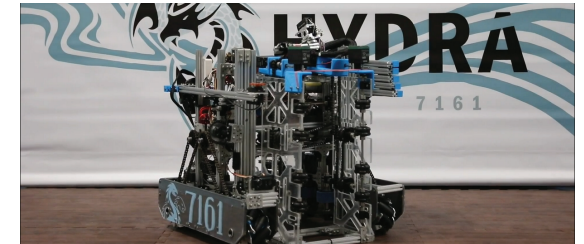


team7161@gmail.com

Our team, [7161 HYDRA](#), values your interest in this incredible program. Our mission is to get [you](#) involved in FIRST and immerse yourself into this community of STEM enthusiasts. Please do not hesitate to contact us for [mentoring](#), [resources](#), [questions](#), [comments](#), and [concerns](#).



HOW TO JOIN FIRST ROBOTICS



WHAT

IS FIRST?

A JUMPSTART FOR THE FUTURE

FIRST is an organization that teaches students about STEM through its robotic challenges and team values installed in those who partake in FIRST. When a student joins a FIRST program, they will take away with them a diverse and complete understanding of FIRST and Gracious Professionalism, and they will also be proficient in STEM.



Everybody has to be able to participate in a future that they want to live for. That's what technology can do.

DEAN KAMEN FOUNDER, FIRST

THE HARDEST FUN YOU'LL EVER HAVE

FIRST offers four programs with different robotic challenges each with varying levels of difficulty:

FLL Jr. Intro to the world of STEM. Learn basic programming and mechanics of a robot.

FLL Introduces a scientific and real-world challenge for teams to focus and research on.

FTC Students design and build robots to compete in a head-to-head challenge while marketing their team.

FRC Students & mentors work during a six-week period to build game-playing robots that weigh up to 120 pounds

Competition for the sake of not destroying each other, but for the sake of bettering and improving both competitors...

WOODIE FLOWERS FOUNDER, FIRST



WHY

YOU SHOULD JOIN



ENDLESS OPPORTUNITIES

With FIRST, students get the opportunity to create, think, and build robots of their own design. Additionally, FIRST participants are significantly more likely to show an increased interest in STEM careers, as well as receive the proper resources and experience necessary to pursue these careers.



COMMUNITY INVOLVEMENT

Participating in FIRST allows students to be surrounded by a whole community of STEM enthusiasts who share similar passions, goals, and aspirations. FIRST programs also promote involvement with your local community through different outreach events.



VALUABLE LIFE-LONG SKILLS

FIRST programs prepare students for the future. In addition to strengthening skills relating to science, engineering, math, and technology, FIRST participants gain valuable skills such as communication, cooperation, problem-solving, and many more that have an ample amount of real world applications.

HOW

TO JOIN

FIRST TECH CHALLENGE

GRADES 7 - 12

FTC is an amazing program that teaches students how to problem solve, work in a team, market, design, program, and engineer a robot based on challenges that need to be overcome. If you would like to join an FTC team, you must follow these basic requirements:

- Gather at least 3 students to participate on the team (you can have up to 15 students)
- Have at least two dedicated adult coaches to mentor your team
- Register your team and name on through the FIRST website
- Pay your registration fees and gather resources for your robot
- Fundraise money to help support your team
- Read Game Manuals Part 1 and 2 to learn about the game challenge, rules, and safety

For more information, please refer to the RESOURCES section of this brochure.