FIRST TECH CHALLENGE

INSPIRING WOMEN

"The most important skill I learned was how to communicate with others. They (my mentors) were concerned with how I developed as a person. They helped me blossom, and they helped me see the world from a perspective beyond the technical side of things. It's rewarding to go back and teach what I learned. I see a lot of potential in the kids. They have a fire and it makes me happy as a mentor to see that."

» VIVIAN STEPP,
  FIRST® TECH CHALLENGE ALUM
  AND MENTOR, STUDENT,
  GEORGIA INSTITUTE
  OF TECHNOLOGY

"*FIRST* Tech Challenge has opened the eyes to many girls that engineering is a bright path in which we can showcase our skill and dexterity. Where girls were once thought to be harmless competition, this program has shown that we are a fierce threat to those who underestimate our engineering prowess and determination."

» OLIVIA REREK,
  FIRST TECH CHALLENGE TEAM 118,
  THE TECHNO CHIX

FIRST ® Tech Challenge promotes a fun, interactive, and inspiring atmosphere of participation where everyone contributes.
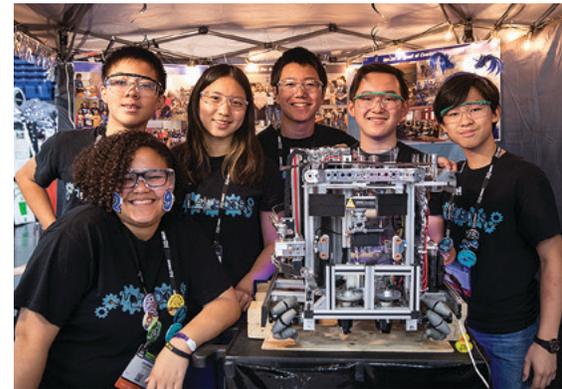
FIRST Tech Challenge enables girls to confidently take on and solve real-world challenges. The most successful teams, whether they include boys or girls, always thrive on communication as a way to ensure that everyone is heard and that everyone makes a tangible contribution. Teamwork and collaboration are also key. Teams succeed with all members participating.

FIRST Tech Challenge continues to grow and succeed because it makes science and engineering accessible, using a proven formula that continues to attract and sustain a love of science and technology that is inclusive, especially for girls:

- Exposes girls to the prospect of STEM and STEM-related careers
- Offers life-changing experiences that help girls realize careers in science and engineering are attainable
- Teaches strategies to help overcome setbacks and embrace change
- Nurtures creative thinking, problem-solving, and research
- Promotes confidence in developing sound engineering concepts, designs, and solutions

How it works for girls

- Inspires confidence and self-respect
- Instills a sense of pride and accomplishment
- Provides the opportunity for "hands-on" building, engineering, and design

- Levels the playing field, especially for girls and all-girl teams
- Affords everyone the chance to build a robot
- Permits everyone to have direct access to learning that comes from head-to-head competition

Outcomes

- Teams thrive on diversity and collaboration, and the distribution of work
- Girls are exposed to non-traditional tasks that empower them to succeed and take leadership roles within their team and in life
- All team members learn the iterative process involved with computer design and engineering
- Students, teams, and competitors develop confidence, respect, and collaboration
- Teams gain recognition for their skills and accomplishments

firstinspires.org

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

FOR **I**NSPIRATION & **R**ECOGNITION OF **S**CIENCE & **T**ECHNOLOGY

200 Bedford Street ◼ Manchester, New Hampshire 03101 ◼ USA

www.firstinspires.org