Thank you for your invaluable support! Together we are making a difference!
FRC AT A GLANCE
2018-2019

- **1608** Students on **49** teams from **5** states, Mexico, and China.
- **55K** Hours contributed by Utah Mentors, Coaches, and Judges.
- **24** Utah teams.
- **4** Teams advanced to the Houston FIRST Championship
- **90%+** graduating FRC Seniors plan to attend college or trade school.
- **75%+** FIRST Alumni are in a STEM field as a student or professional.
FLL JR./FLL/FTC AT A GLANCE

- **4684** students on **419** teams.
- **128,000** volunteered hours from coaches, mentors, and judges.
- **16** competitions.
- **3** Utah Championships.
- **5** Utah teams advanced to the Houston FIRST Championship.
FIRST Impact

10 years of evaluation data indicates that with participation in FIRST team members are:

**STEM MAJOR CITED BY FIRST PARTICIPANTS**

- **2x** as likely to major in science or engineering
- Major in engineering: **41%**
  - **33%** of women major in engineering
- **87%** FIRST® LEGO® League
- **86%** FIRST® Tech Challenge
- **88%** FIRST® Robotics Competition

**SCHOOL ENGAGEMENT INCREASES FOR FIRST PARTICIPANTS**

- **More interested in doing well in school**
  - **87%** FIRST® LEGO® League
  - **86%** FIRST® Tech Challenge
  - **88%** FIRST® Robotics Competition

- **Plan to take a more challenging math or science course**
  - **84%** FIRST® Tech Challenge
  - **90%** FIRST® Robotics Competition

- **More interested in going to college**
  - **88%** FIRST® LEGO® League
  - **87%** FIRST® Tech Challenge
  - **91%** FIRST® Robotics Competition

**21ST CENTURY WORK-LIFE SKILLS GAINED BY FIRST PARTICIPANTS**

- **98%** Improved problem solving skills
- **95%** Increased time management skills
- **93%** Increased conflict resolution skills
- **89.6%** Strengthened communication skills

**FIRST ALUMNI IN STEM CAREERS**

- **OVER 76%** of Alumni are in a STEM field as a student or professional

Source: Brandeis University, 2005 Evaluation of FIRST® Robotics Competition (FRC®) Alumni


Source: FIRST, 2011 Survey of FIRST® Robotics Competition and FIRST® Tech Challenge Alumni

FOR INSPIRATION AND RECOGNITION OF SCIENCE AND TECHNOLOGY
FIRST IMPACT: MORE THAN ROBOTS

Developing the spirit of innovation and entrepreneurship = Utah’s skilled workforce

Entrepreneurial Skills Gained:

- Business Planning
- Fundraising
- Market Research
- Branding
- Gracious Professionalism®
- Coopertition®
FIRST® LEGO® League Jr.
Primarily mechanical and project based learning. Moving to icon based, drag and drop, introduction to programming logic.

FIRST® LEGO® League
Icon based, drag and drop, introduction to programming logic.

FIRST® Tech Challenge
Scratch-based graphical app development or full Java programming. Teaches basic programming logic, app development, and text based language programming used in most high school AP classes.

FIRST® Robotics Competition offers three programming options. LabVIEW is an icon based language, teaching programming logic and structure, C++ text-based language, and Java, a text based language used in most high school AP classes.
GOALS

Fund and Grow Programs:
1. FIRST® Robotics Competition (FRC)
2. FIRST® Tech Challenge (FTC)
3. FIRST® Lego® League Championship
4. FIRST® Lego® League Jr.

Strengthen FIRST ecosystem: mentors, teams, sponsors, coaches, and students.

Develop industry partnerships to ensure long-term sustainability.
Regional Benefits:
Lowers team costs by $10,000 – More Utah teams can compete – Key to inspiring and motivating students.

2019 Recap:
5 States, China and Mexico – 49 Teams – 24 Teams from Utah – 5000 participants & spectators.
Did your FIRST experiences influence your decisions for the future?

- YES: 82%
- NO: 5%
- MAYBE: 13%

Will you be attending College or Trade School?

- YES: 93.6%
- NO: 3%
- MAYBE: 3.4%

"I liked how easy it is to get out of your comfort zone and try new things and get to know new people. Plus, just looking at the more creative robots in the competition is enough to make me smile! I have some new memories from there that I will cherish for the rest of my life! <3"

- FIRST Member

“Utah FIRST is one of my favorite regionals and the community is incredible!”

- FIRST Member
Thank you for your support, passion, and commitment to creating the next generation of leaders and innovators!

Contact: Chelsey Short
FIRST Regional Director
CShort@firstinspires.org
THANK YOU 2019 SPONSORS!!!

FOUNDING PARTNER SINCE 2018

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Action Center Utah

STEM Action Center Utah