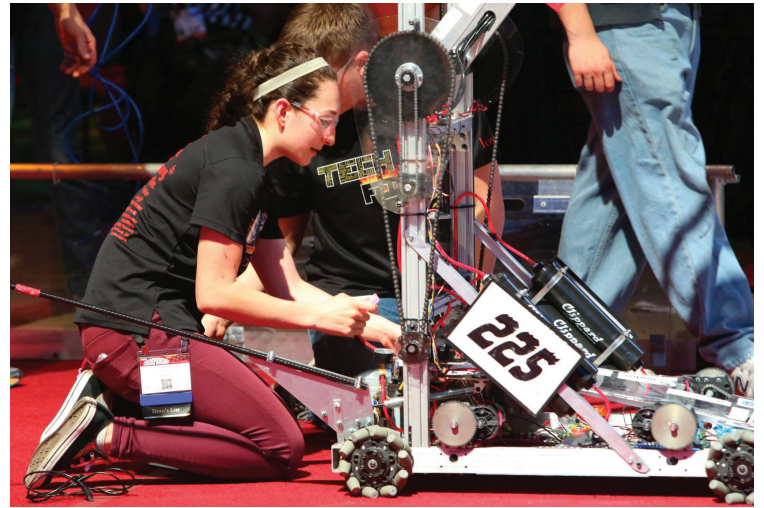




Mentor and Coach Roles

FIRST® Tech Challenge and FIRST® Robotics Competition



Mentors and Coaches are individuals from all backgrounds and disciplines who work with students to share their knowledge and guide them through the season. Many Mentors contribute on a weekly basis during competition season, or support the team with subject matter expertise on an as needed basis. Teams may have additional or more specialized roles or a combination of roles as needed. In addition, Mentors help to foster the idea of *Gracious Professionalism*® and have the students do as much of the work as possible.

Sample Mentor/Coach Roles

NON-TECHNICAL:

Project Management Mentor

- Provides an overview of project management concepts for team
- Guides the team throughout the project life cycle

Scholarship Mentor

- Assist to educate students, Mentors and parents regarding scholarship opportunities available to FIRST students
- Coordinates applications for student/ Mentor nominations for awards

Marketing Mentor

- Provides a basic overview of Marketing concepts
- Assists students with development and implementation of a Marketing Plan in coordination with the development of a Business Plan

Finance Mentor

- Assist the team in preparing a Business Plan, financial planning/budget for the season
- Organize and assists with fundraising efforts

TECHNICAL:

Robot Programming/Software Engineering Mentor

- Assist team members with writing code to control robot in C++, Java, Robot C or LabVIEW (depending on program)
- Maintains process focus

Electrical Engineer Mentor

- Assist team with wiring the robot's power and signal system
- Assist and instruct the team members in the electrical and electronics systems on the robot

Mechanical Engineer Mentor

- Provides assistance with design and construction of the robot
- Advise students on the safe use of tools and safety procedures

FIRST® Tech Challenge season run from August – April

FIRST® Robotics Competition season run from October – April

For more information about mentoring or coaching, contact mentorcoach@firstinspires.org

**FIRST
LEGO
LEAGUE JR.**
Ages 6-10 (Grades K-4)

**FIRST
LEGO
LEAGUE**
Ages 9-16 (Grades 4-8)

**FIRST
TECH
CHALLENGE**
Ages 12-18 (Grades 7-12)

**FIRST
ROBOTICS
COMPETITION**
Ages 14-18 (Grades 9-12)