

High School Robotics Leagues

In the **VEX Robotics Competition (VRC)**, high school students work as part of a team towards the goal of building a robot to compete in the current year's challenge game "In the Zone". Guided by adult coaches and mentors, they strategically design, build, and program VEX EDR robots to compete as an alliance in the game. Along the way, they develop teamwork, problem solving, and communication skills. VRC is aimed at grades 9 through 12 for teams of 5 to 15 students.



FIRST Tech Challenge teams are challenged to design, build, program, and operate robots to compete in a head-to-head challenge in an alliance format. Guided by adult Coaches and Mentors, students develop STEM skills and practice engineering principles, while realizing the value of hard work, innovation, and sharing ideas. The robot kit is reusable from year-to-year and can be programmed using a variety of languages, including Java. The FIRST Tech Challenge is aimed at grades 9 through 12 for teams of 5 to 15 students.



BEST Robotics organizes annual robotics competitions that introduce high school students to engineering, problem solving and teamwork. The 6-week robotics competition held each fall is designed to help interest students in Science, Technology, Engineering and Mathematics (STEM) careers. Dallas BEST Robotics is a local hub that recruits schools and supports robotics teams by providing parts kits and organizing tournaments. There's no cost to schools for registration. BEST Robotics is aimed at grades 9 through 12 for teams of 5 to 15 students.

