

Elementary Robotics Leagues

The **VEX IQ Challenge** provides elementary students with exciting, open-ended robotics challenges that enhance their science, technology, engineering, and mathematics (STEM) skills through hands-on, student-centered learning. The VEX IQ Challenge fosters student development of the teamwork, critical thinking, project management, and communication skills required to prepare them to become the next generation of innovators and problem solvers. The VEX IQ Challenge is aimed at grades 3 through 8 for teams of 6 to 8 students.



FIRST LEGO Explore gives early elementary school students and their adult Coaches the opportunity to work and create together while they explore science and technology concepts. Teams explore a real-world scientific problem such as food safety, recycling, energy, etc. and then create a Show Me poster that illustrates their journey of discovery and introduces their team. They also construct a motorized model of what they learned using LEGO elements. The challenge is aimed at grades K through 3 for teams of 5 to 7 students.



EXPLORE

Guided by adult Coaches, **FIRST LEGO League** teams research a real-world problem such as food safety, recycling, energy, etc., and are challenged to develop a solution. They also must design, build, program a robot using LEGO MINDSTORMS®, then compete on a table-top playing field. It all adds up to tons of fun while they learn to apply science, technology, engineering, and math concepts (STEM), plus a big dose of imagination, to solve a problem. The FIRST LEGO League Challenge is aimed at grades 4 through 8 for teams of 5 to 7 students.



CHALLENGE