



The Game

VEX IQ Robotics Competition Full Volume is played on a 6' x 8' rectangular field configured as seen above. Two robots compete in the Teamwork Challenge as an alliance in 60 second long teamwork matches, working collaboratively to score points.

Teams also compete in the Robot Skills Challenge where one robot takes the field to score as many points as possible. These matches consist of Driving Skills Matches, which are entirely driver controlled, and Autonomous Coding, where robots are preprogrammed to navigate themselves with limited human interaction.



The Details

The scoring objects in VEX IQ Robotics Competition Full Volume are various sized **Blocks**. There are a total of **73** Blocks on the field. 42 Blocks begin on the field in predetermined locations. The remaining 31 Blocks begin in the **Supply Zone**, where they will be randomly placed before each Match. Red Blocks begin on top of **Starting Pegs**.

The object of the game is to score as many points as possible with your alliance partner by **scoring Blocks** in **Goals**. Based on the contents of the Goal at the end of the Match, Alliances can also receive a **Uniform Bonus** and / or **Height Bonus**.

At the end of the Match, Robots can attempt to **Park** in the Supply Zone for additional points.



2023-2024 VIQRC GAME

Scoring

Each Block Scored in a Goal	1 Point
Each Uniform Goal	10 Points
Height Bonus	10 Points per Fill Level
Cleared Supply Zone	20 Points
Each Red Block Removed from Starting Peg	5 Points
Each Partially Parked Robot	5 Points
Each Fully Parked Robot	10 Points
Double Parked Bonus	10 Points



The Robotics Education & Competition Foundation sparks interest in science, technology, engineering and math (STEM) by engaging students in hands-on, sustainable, and affordable curriculum-based robotics programs.

Online Game Resources

Students

Game Overview

Learn all about Full Volume
(viqrc.recf.org)

REC Library & VEX Library

Robot builds, coding, competition, and more
(students.vex.com)

VEX Forum

Chat and collaborate with the VEX Community
(vexforum.com)

VEX via

Follow the progress and results of the VEX competition season with match lists, match results, and more. Download from Google Play or the iOS App Store.

Coaches

REC Library

Learn more about being a mentor advocate for VRC teams (coaches.vex.com)

VEX PD+

PD+ is an online, streaming learning platform designed to enable every educator to be successful teaching and integrating STEM with VEX (pd.vex.com)

VEX Educators Conference

Learn from the VEX Experts and connect with other educators as you explore best practices in STEM education (conference.vex.com)



903 401 8088

support@recf.org

1519 Interstate -30 West
Greenville, Texas 75402