



The Game:

VEX IQ Robotics Competition Rapid Relay 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 will be entirely driver controlled, and Autonomous Coding Skills Matches, which will be autonomous with limited human interaction.

The Details:

The scoring objects in VEX IQ Robotics Competition Rapid Relay are padded **Balls**, approximately 6" in diameter.

The primary objectives of the game are to **Pass** the Balls between Robots, score Balls through **Targets**, and **Clear Switches**. Balls are introduced to the field through the Loading Station or, during the last 15 seconds of a Match, a **Rapid Load Zone**.

Points are awarded based on how many Goals are Scored, how many Switches have been Cleared, and how many times the Alliance successfully Passed the Ball before scoring it.



2024-2025 VIQRC GAME

Scoring

Each Goal Scored	1 Point
Each Cleared Switch	1 Point
Each Pass - 0 Cleared Switches	1 Point*
Each Pass - 1 Cleared Switch	4 Points
Each Pass - 2 - Cleared Switches	8 Points
Each Pass 3 Cleared Switches	10 Points
Each Pass - 4 Cleared Switches	12 Points

* Maximum of four per Match. See clause C of <SC6> in Game Manual



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 Rapid Relay
(viqrc.recf.org)

REC Library & VEX Library

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

VEX Forum

Chat and collaborate with 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 VIQRC teams (coaches.vex.com)

VEX PD+

An on-demand streaming and learning platform,
from in classroom and competitive robotics experts
(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)



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