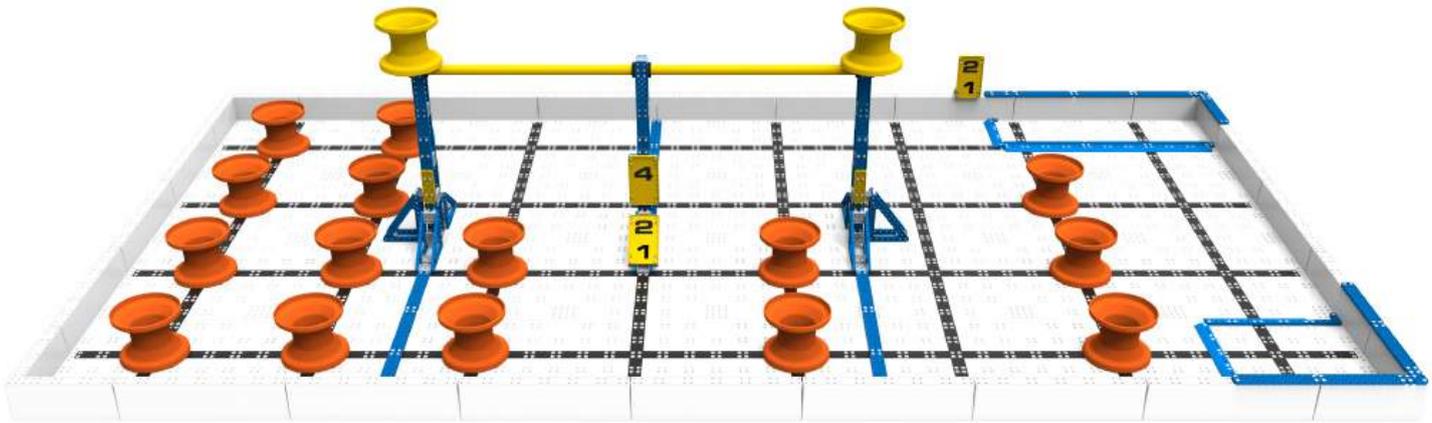


# VEX IQ

## CHALLENGE

### NEXT LEVEL



#### The Game:

**VEX IQ Challenge Next Level** is played on a 4'x8' 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 under driver control; and **Programming Skills Challenge**, where one robot scores as many points as possible autonomously, without any driver inputs.

The object of the game is to attain the highest score by **Scoring Hubs** in **Building Zones**, by **Removing Hubs** from the **Hanging Structure**, and by **Hanging Robots** at the end of the **Match**.

#### The Details:

There are two (2) **Building Zones** in the corners of the field, and in the middle there is one (1) **Hanging Structure**. There are total of fifteen (15) **Hubs**, plus two (2) **Bonus Hubs** available to be scored in the **Building Zones** and one (1) **Parking Zone** in the middle of the field.

<i>Hub that is Low Scored in a Building Zone</i>	1 point
<i>Hub that is High Scored in a Building Zone</i>	2 points
<i>Bonus Hub that is Removed from its Bonus Peg</i>	1 point
<i>Bonus Hub that is Low Scored in a Building Zone</i>	2 points
<i>Bonus Hub that is High Scored in a Building Zone</i>	4 points
<i>Parked Robot</i>	1 point
<i>Low Hanging Robot</i>	2 points
<i>High Hanging Robot</i>	4 points





The VEX IQ Challenge, presented by the Robotics Education & Competition Foundation, provides students ages 8 through 14 with exciting, open-ended robotics engineering and research challenges that engage students and enhance their science, technology, engineering and mathematics (STEM) skills through hands-on, student centered learning.

## How to get involved

1. Register as a VEX IQ Challenge team at [RobotEvents.com](http://RobotEvents.com)
  - \$150 for the first team from a school
  - \$100 for additional teams
  - Registration includes a welcome kit that contains practice game elements and materials to help you get started.
2. Competition information about this year's challenge is available online at [RoboticsEducation.org](http://RoboticsEducation.org)
3. Design & build your competition robot. Robot kits are available at [vexiq.com](http://vexiq.com)
4. Register for an event and play the game! A full list of events and registration is located at [RobotEvents.com](http://RobotEvents.com)



# 1 MILLION STUDENTS REACHED WORLDWIDE THROUGH ALL VEX ROBOTICS PROGRAMS, CLASSROOMS, AND COMPETITIONS



The VEX Robotics World Championship is recognized as the largest robot competition by Guinness World Record. Once a year, 1,600 of the top teams come together to celebrate their achievements in STEM and compete with the best in the world.

