

# VEX IQ<sup>®</sup>

## ROBOTICS

### COMPETITION

#### FULL VOLUME



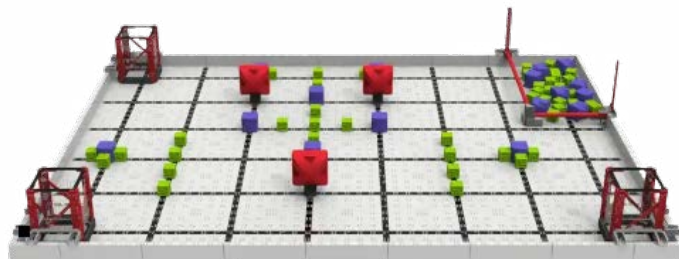
## Price List 2023/24

Note: ALL PRICES INCLUDE VAT.

Beyond science and engineering principles, **VEX** encourages creativity, teamwork, leadership, and problem solving among groups. It allows educators of all types to engage and inspire the STEAM problem solvers of tomorrow! Each year VEX Robotics hosts the worlds largest Robotics Competition, which challenges students to design and build a robot in order to compete in a challenge style game.

## 2023/2024 GAME: FULL VOLUME

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

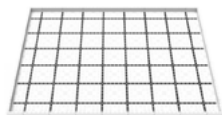


Teams also compete in the Robot Skills Challenge where one robot takes the field to score as many points as possible. These matches consist of Driving Skills Matches, which will be entirely driver controlled, and Programming Skills Matches, which will be autonomous with limited human interaction.

### VEX IQ 2023-2024 Full Volume Full Game & Field Element Kit

VEX 2288360

This kit contains all the Field & Game Elements required for the 2023 - 2024 VEX IQ Robotics Competition Game, Full Volume. Note: VEX IQ Challenge Field Perimeter & Tiles (VEX 2287396) are NOT included.



### VEX IQ Field Kit 6ft x 8ft VEX 2287396

Includes: 12" x 12" Square Tile with Rubber Feet (48), 12" Straight Wall Section (24) and 12" Outside Corner Wall Section (4). Use the VEX IQ Field Case (VEX 2286521) to neatly store your field away.



### VEX IQ Field Case

VEX 2286521

CODE	DESCRIPTION	PRICE
VEX 2288360	VEX IQ 2022 - 2023 Full Volume Game	€185.00
VEX 2287396	VEX IQ Field Kit 6ft x 8ft	€465.00
VEX 2287395	VEX IQ Field Kit Add on (Brings your 4ft x 8ft field up to a 6ft x 8ft field)	€145.00
VEX 2286521	VEX IQ Field Case (Space for one third of a VEX IQ Challenge Game)	€39.95

## VEX IQ G2 Education Bundle €559.00

VEX 2288899



Kit comes with everything needed to power, remotely operate, and code your robot. The Robot Brain now includes a colour screen and improvements have been made to the Robot Battery to provide all-day classroom usage in most situations.

## Controller €117.00

VEX 2286470



This controller packages analog joysticks and buttons into a familiar video-game style design. A rechargeable battery ensures enough charge to get you through multiple class periods or a full day of competition. programmed.

## 200mm Omni-Directional Wheel €17.25

VEX 2282536



Omni-Directional wheels roll forward like normal wheels, but slide sideways with almost no friction (no skidding during turns). Use these wheels to make your robot turn smoothly or build a holonomic drivetrain.

## Latex Free Rubber Band €2.55

VEX 2751089



20 Pack. VEX Synthetic Rubber Bands have dozens of uses on a robot. Their spring-like properties make them perfect for latches, triggers, and return mechanisms. Size: 3" x 1/8" (76mm x 3mm)

## VEX IQ Robot Battery G2 €72.95

VEX 2287045



The IQ Robot Battery powers the IQ Robot Brain. 7.2v 2,000 mAh Lithium Ion. USB-C Charging. Requires a USB power adapter and a USB-C cable.

## VEX Pin Tool €10.25

VEX 2284035



The VEX Pin Tool makes working with VEX IQ pins and plastic even easier. Use the Pin Tool just as you would a pair of pliers. Simply place the tool over the pin you want to remove, squeeze, and pull!

## VEX IQ G2 Education to Competition Upgrade Kit €275.00

VEX 2282531



This kit contains all the parts needed to upgrade the VEX IQ G2 Education Kit to a VEX IQ Competition Kit 2nd Generation.

## VEX IQ Competition Kit G2 €825.00

VEX 2287980



The IQ Competition Kit makes starting a new VEX IQ Challenge team easy. This kit contains all the parts from the VEX IQ Education Kit and adds another two bins of parts and extra motors to allow teams to build a competitive robot.

## Drive Shafts €6.50

VEX 2283506



Because that wheel isn't going to drive itself. Give your motors something to turn with VEX Drive Shafts!

## Optical Sensor G2 €44.00

VEX 2287082



The IQ Optical Sensor is a combination of ambient light, color, proximity and gesture sensor. The proximity sensor measures reflected light intensity, and as such, the values will change with ambient light and object reflectivity.

## VEX IQ Smart Motor €33.50

VEX 2282560



The built in processor, quadrature encoder and current monitor allow for advanced control and feedback through the Robot Brain.

## VEX IQ Plastic Shaft Base Pack €13.50

VEX 2283620



The Plastic Shaft Base Pack contains various length shafts for different purposes and pitches your design may require. This pack is included in all VEX IQ Starter Kits and Super Kits.

You can browse our entire range of VEX IQ here: [www.sgeducation.ie/category/vex-iq2](http://www.sgeducation.ie/category/vex-iq2)

We are available 9am - 5pm Monday to Friday. You can chat to our knowledgeable friendly staff, live on our website [www.sgeducation.ie](http://www.sgeducation.ie) or you can contact our Sales Team by phone or email.