

VEX 123

Ages 4+

Coding Starts Early for Ages 4+

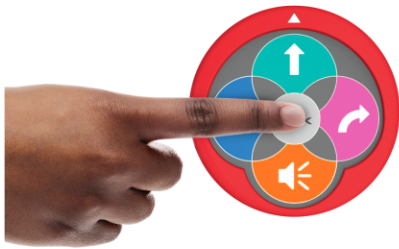
VEX 123 is an interactive, programmable robot that takes Computer Science and Computational Thinking off of the screen and brings them to life.



1

Touch and Go

The 123 Robot can learn sequences by simple touch. Control movements and sounds to learn basic logic and problem solving.



Introduce **sequence** and the concept of **algorithms** by entering commands via the touch buttons on the top of the robot.

2

No Devices? No Problem!

The 123 Robot is programmable without a computer. Using the VEX Coder and physical Coder cards, you can learn real programming away from screens.



Take **sequencing** to the next level, introduce **selection** and use basic **loops** with the Coder and Coder Cards.

3

Powered by Scratch Blocks

VEXcode 123 — available for tablets, Chromebooks, Mac and Windows devices — allows you unlock the full power and capabilities of your 123 Robot.



Use Scratch blocks to create powerful programs using **sequence**, **selection**, **iteration**, **variables** and more!



Free STEM Labs and Activities

Our free STEM Labs lesson plans and Activities cover all aspects of STEM and incorporate other key subjects such as English and Art. They contain everything a teacher needs including handouts, presentations and videos. No prior STEM teaching experience is required to deliver rich lessons with VEX 123.

Mapped to **National Curriculum** and **Scottish Benchmarks**

Clutter-Free Classroom

Classroom organisation starts with having the right storage solutions. VEX 123 Classroom Bundles come with custom carry cases, bins, and a 6-Port USB charging box giving schools the freedom to move resources easily from class to class.



VEX 123 Kits

Start your VEX 123 journey with one of our kits, ready to be programmed 3 ways!



Includes:

- (1) 123 Robot
(Your Choice of Red, Green, or Blue)
- (1) 123 Coder
- (1) Robot Art Ring
- (1) USB Charging Cable
- (1) 123 Coder Cards (50-pack)

£109.⁹⁹

123 Field

- Add a 123 Field to enhance activities
£24.⁹⁹

Classroom Bundle Contents

Bundle Size	Small Classroom	Classroom	Large Classroom
# of Students	12	24	36
Robots	6	12	18
Coders with Batteries	6	12	18
Coder Cards (50-pack)	7	14	21
Fields (4 tiles, 8 walls)	3	6	9
Carrying Cases for everything	1	2	3
Charging Station and AC Adapter	1	2	3
Coder Card Storage Boxes	1	2	3
Robot Art Rings	6	12	18
Coding Posters	1	2	3
	£799. ⁹⁹	£1,524. ⁹⁹	£2,174. ⁹⁹

All VEX 123 Classroom Bundles are delivered free of charge to UK mainland addresses.

Simple, Yet Feature-Rich Robot

Touch Buttons for easy, device-free programming

Bluetooth to quickly connect with the 123 Coder or your own tablets, Chromebooks and computers

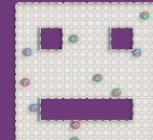


Integrated sensors ensure accurate movement and turns

Built-in rechargeable battery

Eye Sensor detects objects, colour and light level

Robot Play Spaces Reinvented



Developed with your classroom in mind, VEX 123 Fields offer a flexible and safe area to use your 123 robots.

- Quick to assemble and disassemble
- Configure to any size and shape
- Markings represent 1-unit of 123 robot movement to help students understand the robot's movement
- Can be marked with drywipe pens and easily cleaned

Free Training

Free Lesson Plans

Free Software

Instant answers to almost any question at help.vex.com



Ages 8+

STEM Starts Early for Ages 8+

An affordable construction system that teaches the fundamentals of STEM through fun, hands-on activities that help young students experience coding and engineering in a fun and positive way!



Getting Organised is a Snap!

Colour-coded VEX GO parts help teachers to stay organised and allows students to quickly differentiate between pieces making it quicker and easier to follow instructions



Complete STEM Solution

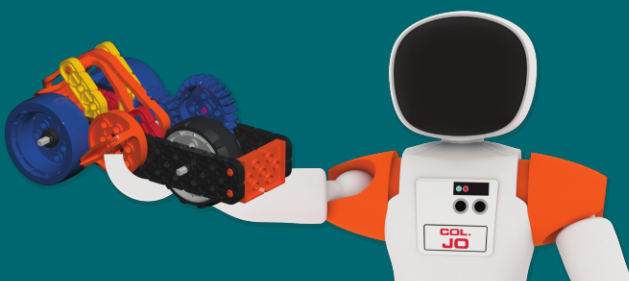
VEX GO lessons cover all aspects of STEM, not just computer science. Explore coding, fractions, energy, lifecycles, simple machines, design and much more!



Powered by Scratch Blocks

VEXcode GO - available for tablets, Chromebooks, Mac and Windows devices - allows you to teach **sequence**, **selection**, **iteration**, **variables** and more!

Free STEM Labs and Activities



Our free STEM Labs lesson plans and Activities cover all aspects of STEM and incorporate other key subjects such as English and Art.

They contain everything a teacher needs including handouts, presentations and videos. No prior STEM teaching experience is required to deliver rich lessons with VEX GO.

Mapped to **National Curriculum** and **Scottish Benchmarks**

Free VEX GO Challenge



VEX GO Classroom Challenge

This classroom-based competition allows students to earn recognition for the work they do when completing STEM Labs. By earning Star Points, students can gain Achievement Awards as they work through the 4 levels of challenges.

VEX GO Competition

Bring competitive robotics to your classroom! Design robots to explore Mars, monitor the oceans, build a village or search and rescue after a natural disaster! Students will compete with their classmates and put their robot driving and coding skills to the test!

Find out more at roboticseducation.org/vex-go

VEX GO Classroom Bundles

VEX GO Classroom Bundles are the perfect solution for individual STEM classrooms or for sharing resources between multiple classrooms and year groups. The bundles contain everything needed: multiple kits, spare parts, chargers and a storage solution that makes it easy to keep everything together or move from classroom to classroom.



GO Kit

VEX GO Kits are pre-sorted into a convenient reusable carrying case which keeps the parts organised and easily accessible

Includes:

- (1) Robot Brain
- (3) Motors
- (1) Battery
- (1) Switch
- (1) Eye Sensor
- (1) LED Bumper
- (1) Electromagnet
- (1) USB Cable
- (1) Tile
- (1) Pin Tool
- (220) Structural Parts
- (53) Motion Parts
- (1) Astronaut Figure
- (2) Storage Cases

£179.⁹⁹

Classroom Bundle Contents

	Small Classroom	Classroom	Large Classroom
# of Students	10	20	30
Carrying Cases for Kits	1	2	3
Go Kits + Storage, Field Tile	5	10	15
Spare Parts Bin + extra parts	1	2	3
Charger for all 5 batteries	1	2	3
Carrying case for fields, walls	1	2	3
Walls for the classroom Field	12	24	36
Extra Pin Tools	5	10	15
Parts Posters	1	2	3
	£1,049. ⁹⁹	£1,999. ⁹⁹	£2,849. ⁹⁹

All VEX GO Classroom Bundles are delivered free of charge to UK mainland addresses.

Simple, flexible, programmable



Brain

Connect via Bluetooth to a tablet, Chromebook, Windows or Mac device to code using VEXcode GO. Built in gyro and accelerometer to help your robots move with precision!



Motor

Each kit contains 3 motors to bring your creations to life and give your robots accurate movement



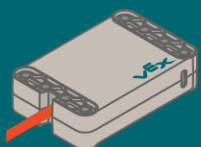
LED Bumper

An input and output in one! Detect when the bumper is pressed and control the colour of the light!



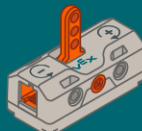
Electromagnet

Collect and drop the Disks included in all VEX GO kits using the Electromagnet



Battery

Essential for any VEX GO build that includes electronics. Recharge via the USB-C connector



Switch

Control a motor or the LED Bumper without the need to code by connecting them to a battery via the Switch.



Eye Sensor

Detect the proximity of objects, their colour and light level using the Eye Sensor

Free Training

Free Lesson Plans

Free Software

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