VEX 123

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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.

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
248-7631

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)

123 Field
248-7350

- Add a 123 Field to enhance activities

Classroom Bundle Contents

Bundle Size	Small Classroom 248-7661	Classroom 248-7848	Large Classroom 248-7849
# 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

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

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

Scan to find out more

VEX Classroom

Learning Support

Fundamental
Start programming your 123 Robot with just a single touch, no computer needed. Using the VEX Coder, there is also no need for a screen.

Flexible
VEXcode 123 is available for tablets, Chromebooks, Mac and Windows devices. Using Scratch blocks, unlock the full capabilities of your 123 Robot.

Feasible
VEX 123 takes pride in keeping your classroom in mind, with the sheer ease of implementation for maximum engagement.

Welcome to the VEX Continuum

Ages 4 +	Ages 8 +	Ages 11 +	Ages 14 +	Ages 14 +
VEX 123	VEX GO	VEX IQ	VEX EXP / VEX V5	VEX V5 WORKCELL