VEX is
STEM

VEX ROBOTICS

Discover Educational Robotics for All Ages

This overview was designed as a brief way to show all current offerings from VEX. With this catalogue, our goal is to lead you through a quick, and easy-to-understand experience. A great place to find more starter information is on the VEX Support Page at GetStarted.vex.com
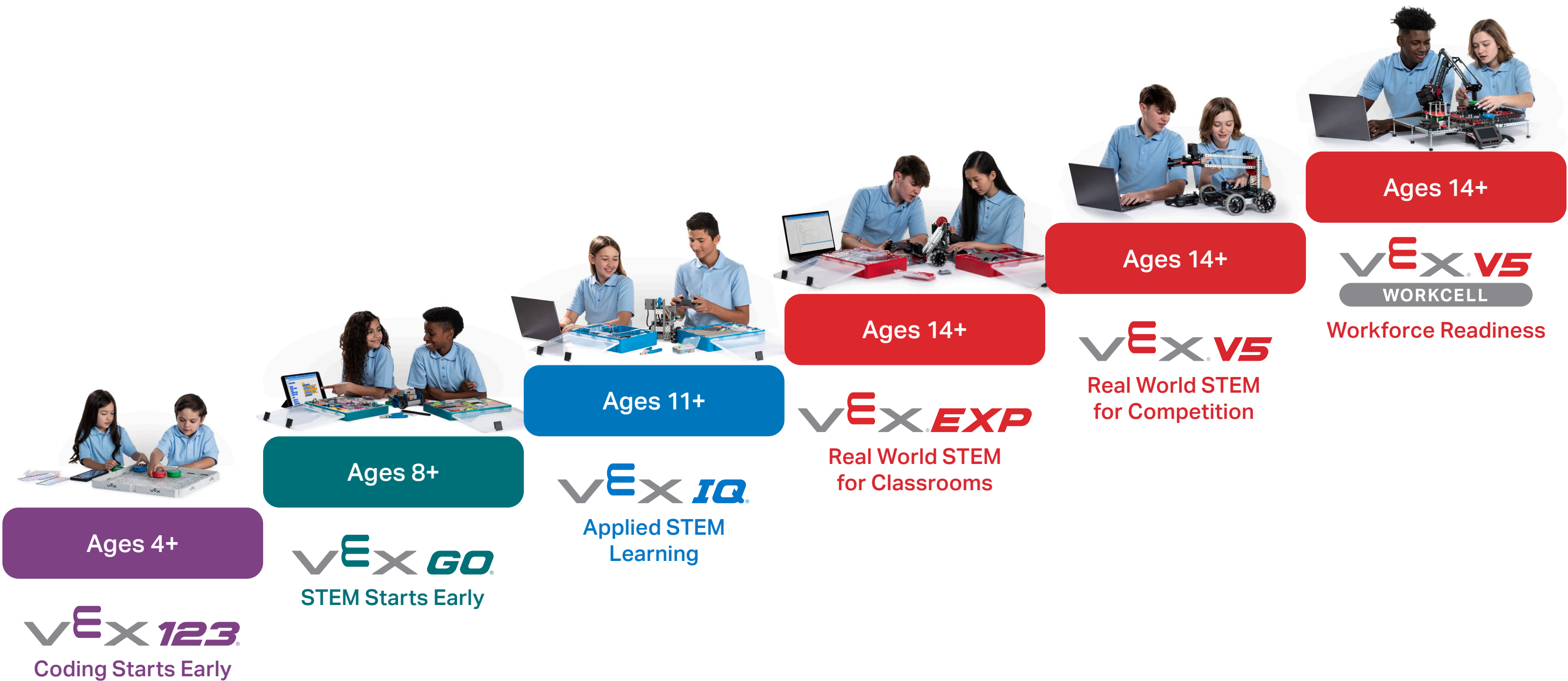
Welcome to the VEX Continuum

The VEX Continuum enables educators to create a cohesive STEM learning plan for students from primary to secondary school, and beyond. The VEX Continuum is comprised of SIX VEX platforms - VEX 123, VEX GO, VEX IQ, VEX EXP, VEX V5, and VEX V5 Workcell, all of which can be supplemented with VEXcode. This series of VEX platforms is grounded in a continuity of resources, curriculum, and materials, so that teachers and students can build upon their STEM learning from year to year.

This programme supports school-wide STEM learning goals through the educational resources provided within and across our platforms. Each of the STEM domains is addressed through curricular activities and resources, like STEM Labs, that are age appropriate, and give teachers and students an opportunity to apply their learning through more complex building and projects as they continue to learn.

For students, the VEX Continuum empowers the practice of learning at a personalised pace. VEX places emphasis on the process of instruction versus the product that is being created. Education is not always straightforward. STEM learning is one way educators can merge gaps between ages. The ability to align curriculum both horizontally and vertically essentially constructs a shared language of STEM amongst both teachers and students - setting up each side for future successes.

If any other questions arise or more data is needed, please feel free to reach out to our Sales Team at *eusales@vexrobotics.com*

All associates at VEX Robotics wish to sincerely thank you for contributing to the extraordinary rewards that STEM education brings to everyone involved.

Ages 14+

vEx V5
WORKCELL
Workforce Readiness

Ages 14+

vEx V5
Real World STEM for Competition

Ages 14+

vEx EXP
Real World STEM for Classrooms

Ages 11+

vEx IQ
Applied STEM Learning

Ages 8+

vEx GO
STEM Starts Early

Ages 4+

vEx 123
Coding Starts Early

Professional Development +

Build confidence.
Become inspired.
Interact with experts.

Professional Development, or VEX PD+, is an additional feature created to reshape STEM education from within the classroom, beginning with the educators. PD+ experts help build confidence and inspire through videos, webinars, lesson plans, and feedback.

PD+ includes one year of access to every VEX brand for one user from activation date

**£725.**^{.00}

210-8353

Expert-led professional learning is always available

Getting Started — VEX ROBOTICS VEX V5

Learning Center — VEX ROBOTICS VEX 123

Herobot Fling — VEX ROBOTICS VEX IQ

Get Certified

VEX now offers free, online training that helps educators at all different ability levels. Experience fun and engaging lessons while supporting students as they become proficient with the VEX Robotics system.

certifications.vex.com
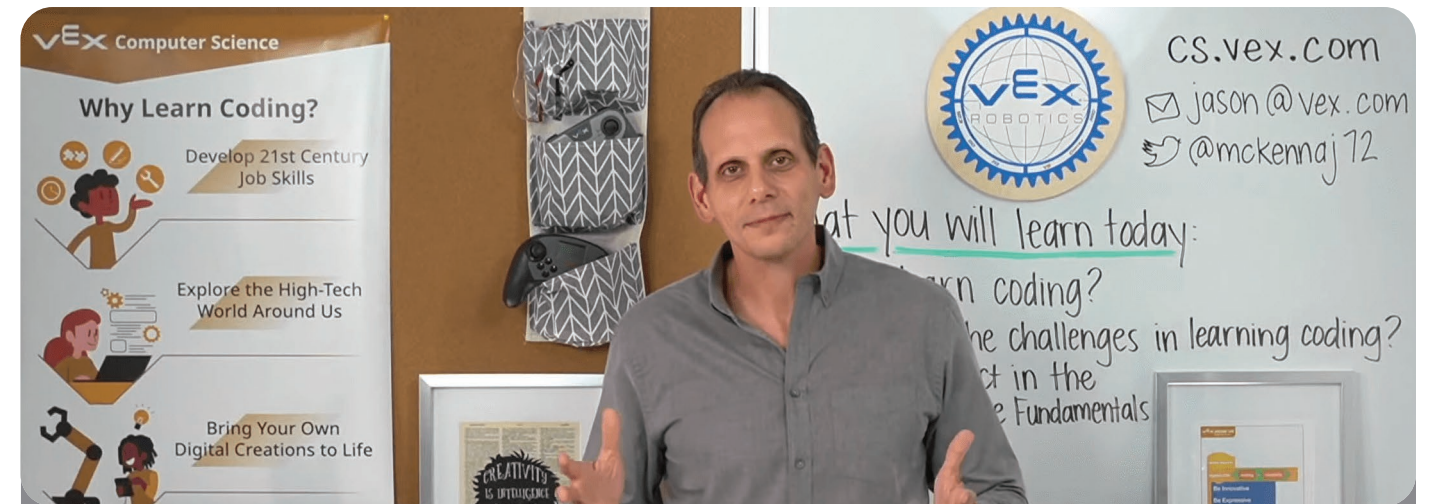
PD+ Webinar
Evolving Educational STEM Topics

Jason McKenna | Aimee DeFoe | Audra Selkowitz

Alaina Caulkett | Lauren Harter | Olivia Kissel

Connect with PD+ experts on STEM pedagogy
Professional Development that reshapes STEM education

STEM Trends
Insightful Articles on Educational Robotics

pd.vex.com

STEM Labs

Standards-aligned Educational Curriculum

education.vex.com

STEM Labs have something to offer for everyone. STEM Labs function as "plugin" lessons that can fit into your existing curriculum. Multiple labs can be utilised in sequential order to create a unique, extended learning experience.

STEM Labs promote hands-on learning. Students enjoy hands-on-learning activities that allow them to apply technology, science, maths, and engineering skills as they enjoy a 21st-century learning experience.

VEX 123 STEM Labs

VEX GO STEM Labs

VEX IQ STEM Labs

Computer Science Courses

VEX EXP STEM Labs

VEX V5 STEM Labs

VEX V5 Workcell STEM Labs
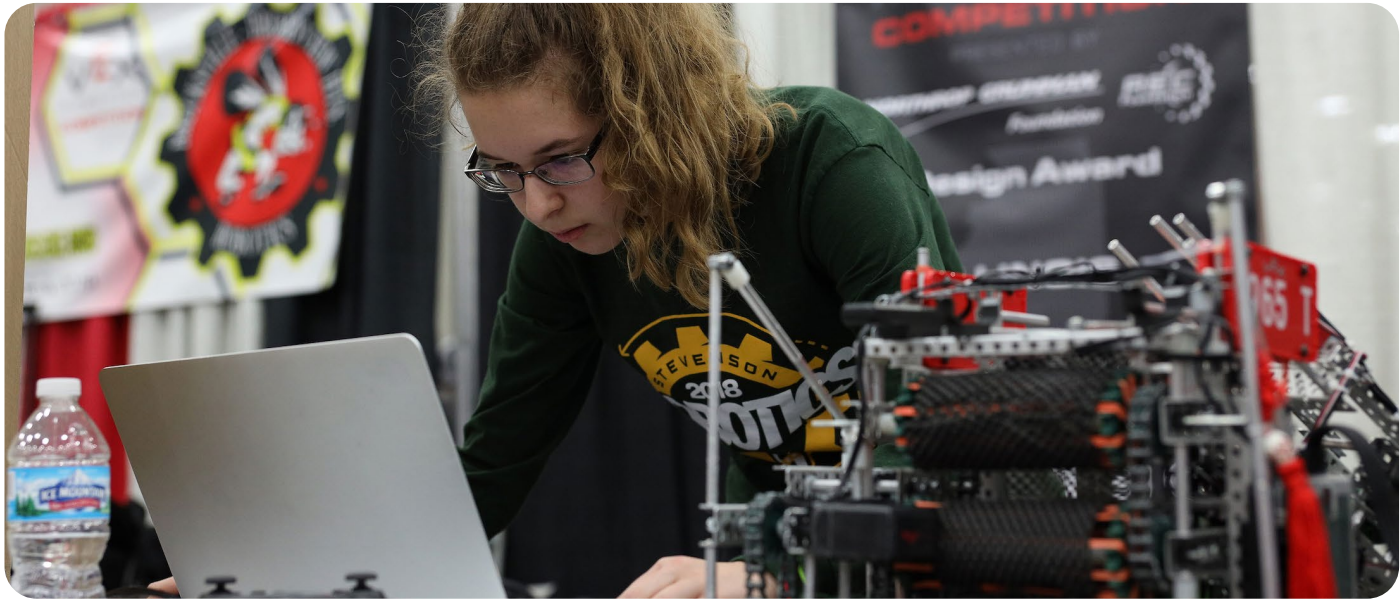
STEM Library

Thousands of articles about VEX and STEM

help.vex.com

The VEX STEM Library houses information about all things VEX. The purpose of the STEM Library is to help VEX users quickly find information about VEX products, services, or topics.

The STEM Library offers self-service support content around multiple topics and themes, including getting started, robot design and engineering, coding tips and techniques, and STEM Fundamentals.

VEXcode

VEXcode meets students at their level

code.vex.com

VEXcode is a coding environment that is suitable for students at all levels. The intuitive layout of VEXcode allows students to get started quickly and easily.

VEXcode is consistent across Blocks and Text, across VEX 123, GO, IQ EXP, and V5. As students progress from primary to secondary school and beyond, they never have to learn a different block, code, or toolbar interface.

STEM Competitions for All Ages

competition.vex.com

All students are natural scientists and engineers. VEX competitions foster these skills and capitalise on the motivational effects of competitions and robotics to help all students create an identity as a STEM learner. VEX competitions are also a great way to expose students to valuable soft skills like communication, collaboration and time-management in a fun and authentic way.

The VEX Robotics competition prepares students to become future innovators with 95% of participants reporting an increased interest in STEM subject areas and pursuing STEM-related careers. Tournaments are held year-round at the regional, state, and national levels and culminate at the VEX Robotics World Championship each spring!
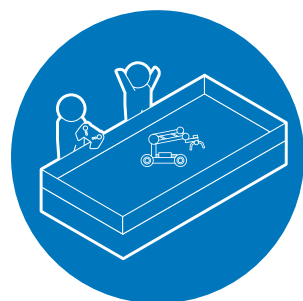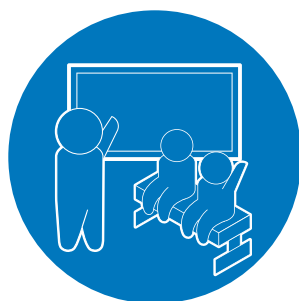
27,000 Participating Teams

1,000,000 Students Reached Annually

70+ Countries Represented

22,000 Participating Schools

Guinness World Records® holder for the World's Largest Robotics Competition

VEX IQ COMPETITION
Primary and Secondary up to age 15

VEX ROBOTICS COMPETITION
Secondary and College up to age 18

VEX 123®

Coding Starts Early for Ages 4+
123.vex.com

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.

The Five Pillars of VEX

| PD+ | Competition | VEXcode | STEM Labs | STEM Library |

Single Classroom Robot Kit

glow purple

| Education Kit | 248-7621 | £109.99 |

All-in-one Classroom Solution!

Small Classroom Bundle	6 Education Kits + Extras	12 Students	248-7661	£799.99
Classroom Bundle	12 Education Kits + Extras	24 Students	248-7848	£1,524.99
Large Classroom Bundle	18 Education Kits + Extras	36 Students	248-7849	£2,174.99

VEX GO®

STEM Starts Early for Ages 8+

go.vex.com

Single Classroom Robot Kit

| Education Kit | 269-6705 | £179.99 |

Four Competitions in One Kit

| Competition Kit | 269-8115 | £249.99 |

Engaging
VEX GO is a construction system that includes fun, collaborative, hands-on, minds-on activities that encourage all students to participate.

Innovative
VEX GO invents contemporary ways of structure and design by establishing distinctive patterns, colours, and composition techniques.

Accessible
Minimal instructions are needed before students are able to dive straight into the exploration of their VEX GO Kit.

All-in-one Classroom Solution!

Small Classroom Bundle	5 Education Kits + Extras	10 Students	269-7781	£1,049.99
Classroom Bundle	10 Education Kits + Extras	20 Students	269-7780	£1,999.99
Large Classroom Bundle	15 Education Kits + Extras	30 Students	269-7782	£2,849.99

The Five Pillars of VEX

PD+   Competition   VEXcode   STEM Labs   STEM Library

VEX IQ

Applied STEM Learning for Ages 11+

iq.vex.com
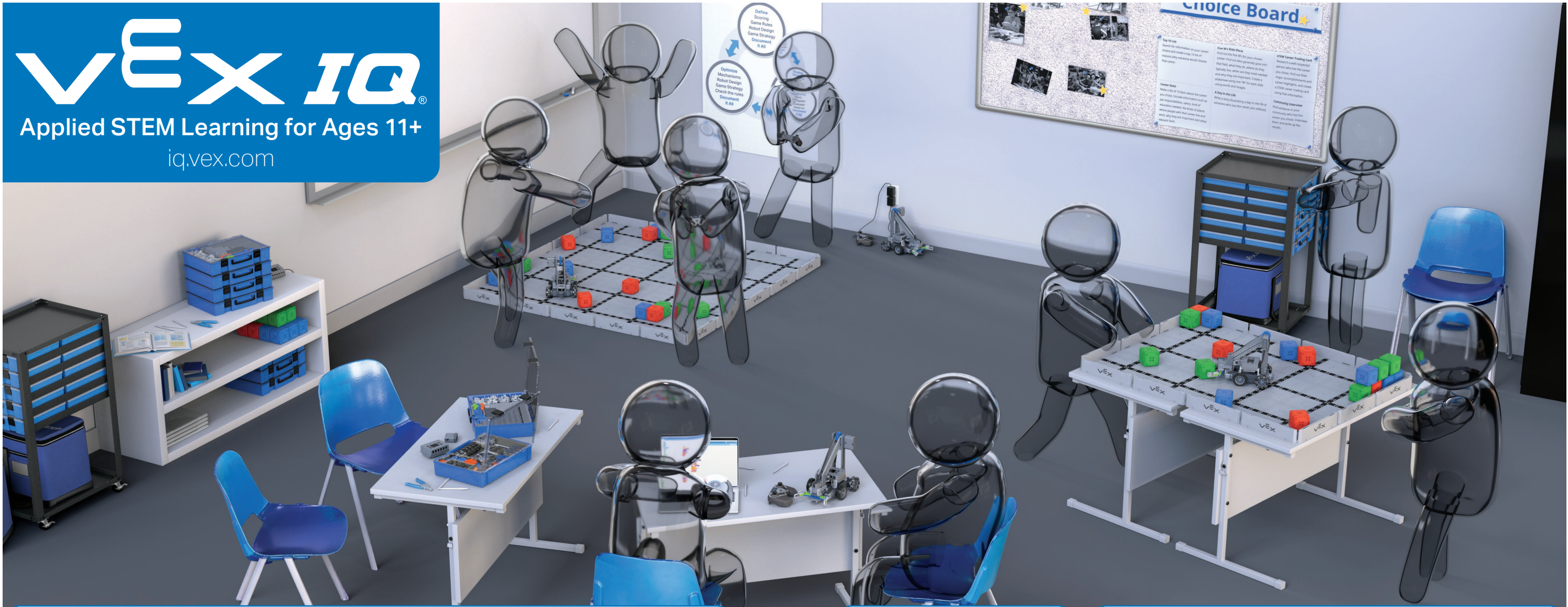
Educate with VEX

The VEX IQ Classroom Bundles include all STEM hardware needed along with curriculum, support, and high-quality professional development offerings for educators.

Mentor a Team

Mentoring a competition robotics team is simple and manageable with VEX IQ kits, support, and many more STEM resources.

Customise with VEX

Each of the three VEX IQ systems (Education, Classroom, and Competition) offer the same development in both inspiration and ingenuity.

The Five Pillars of VEX

PD+   Competition   VEXcode   STEM Labs   STEM Library

Single Classroom Robot Kit
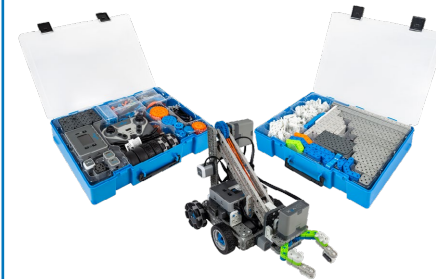
Education Kit   228-8899   **£349**.99

Single Competition Robot Kit

Competition Kit   228-7980   **£524**.99

All-in-one Classroom Solution!

|				
Small Classroom Bundle	5 Education Kits + Extras	10 Students	228-8060	**£1,949**.99
Classroom Bundle	10 Education Kits + Extras	20 Students	228-8246	**£3,899**.98
Large Classroom Bundle	15 Education Kits + Extras	30 Students	228-8247	**£5,849**.97

VEX EXP

Real World STEM for Classrooms for Ages 14+

exp.vex.com

Simple

VEX EXP Classroom and Competition Bundles are organised and stocked with everything needed to bring learning to life within the classroom setting.
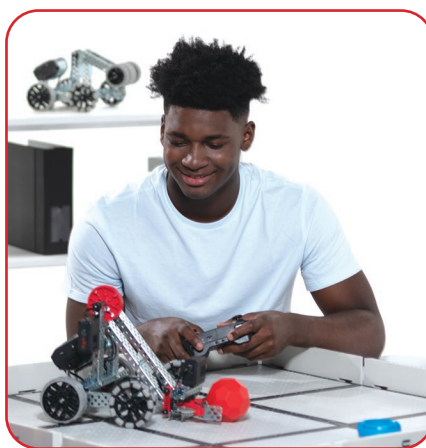
Flexible

VEX EXP Bundles are easy for any STEM teacher to assemble, and are available in different assortments to fit any classroom layout.

Powerful

Both EXP Bundles and Kits include the extensive value pack consisting of access to STEM Games, STEM Labs, the STEM Library, and coding systems.

The Five Pillars of VEX

PD+   Competition   VEXcode   STEM Labs   STEM Library

Single Classroom Robot Kit

Education Kit   280-8223   **£599**.99
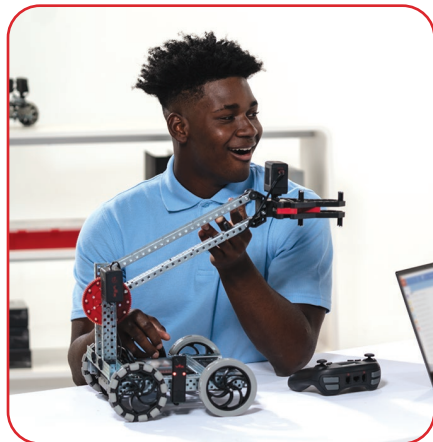
All-in-one Classroom Solution!

Small Classroom Bundle	6 Education Kits + Extras	10 Students	280-8224	**£3,199**.99
Classroom Bundle	10 Education Kits + Extras	20 Students	280-8293	**£6,399**.98
Large Classroom Bundle	15 Education Kits + Extras	30 Students	280-8294	**£9,599**.97

VEX V5

Passion

VEX V5 products are adaptable and dynamic, using state-of-the-art advancements to ensure outstanding outcomes with students.
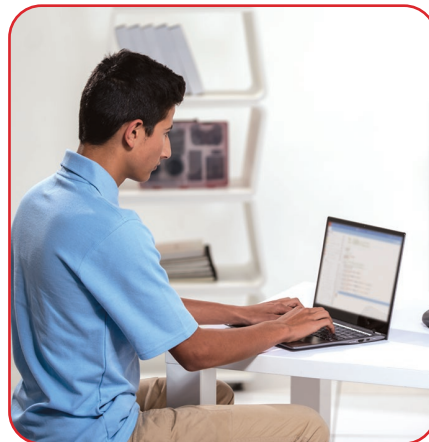
Foundation

Giving students a head start with technical and vocational education and training is crucial, and nurturing their curiosity will continue to benefit them throughout their careers.

Expansion

VEX Robotics Competitions have been proven to be the most invigorating way to ignite a competitive spirit within students, through participation in worldwide events.

The Five Pillars of VEX

PD+   Competition   VEXcode   STEM Labs   STEM Library

New Robotics Students

| Classroom Starter Kit | 276-7110 | £624.⁹⁹ |

Advanced Robotics Students

| Classroom Super Kit | 276-7120 | £1,274.⁹⁹ |

New Competition Team

| Competition Starter Kit | 276-7130 | £899.⁹⁹ |

Advanced Competition Team

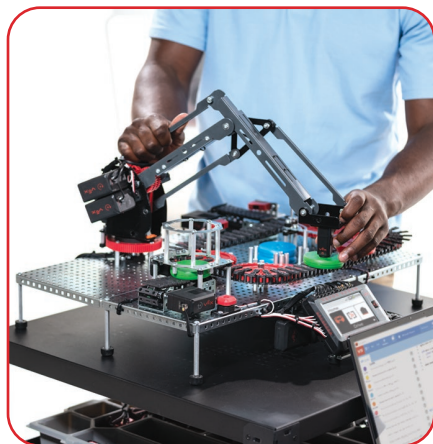| Competition Super Kit | 276-7140 | £1,499.⁹⁹ |

VEX V5 WORKCELL

**Workforce Development for Ages 14+**

workcell.vex.com

Constructive

The VEX V5 Workcell is a construction system for a 5-axis robotic arm, conveyors and sensors, combined with our proved VEXcode software.

Productive

Workcell introduces students to manufacturing concepts, empowering the manufacturing workforce of the future with a foundation of understanding.
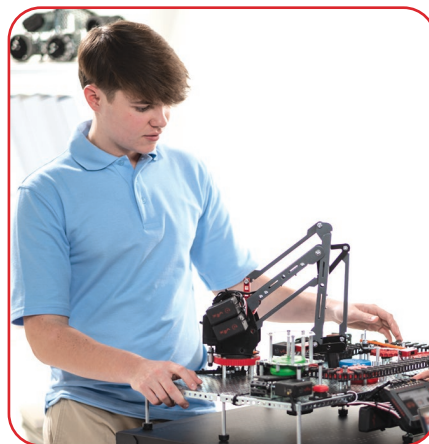
Effective

Together with VEXcode V5, students have the opportunity to develop technical and problem solving skills by building and coding a simulated manufacturing workcell.

The Five Pillars of VEX

| PD+ | Competition | VEXcode | STEM Labs | STEM Library |

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V5 Workcell Kit

The VEX V5 Workcell Kit provides support fot educators every step of the way

- Includes a complete kit for the Workcell STEM Labs, and the Factory Automation Competition
- Works with VEXcode programming software
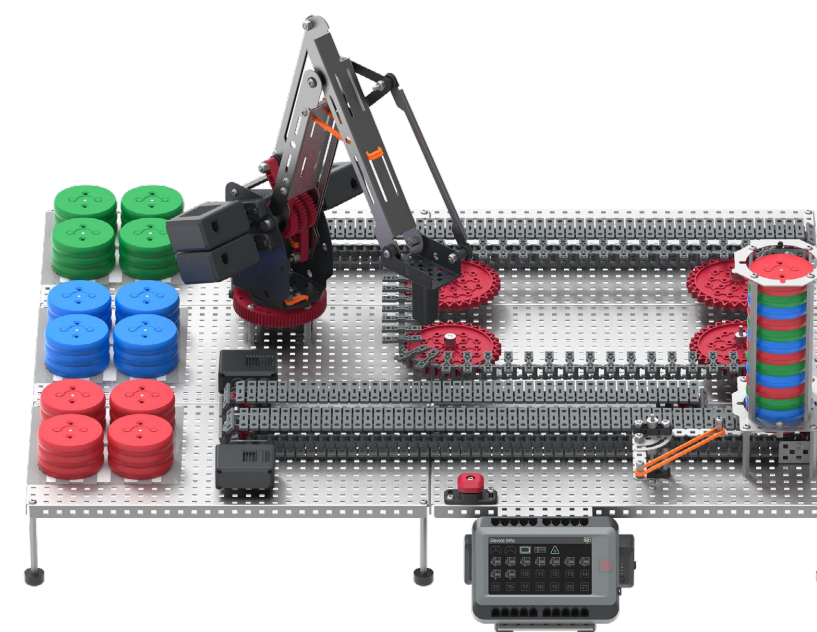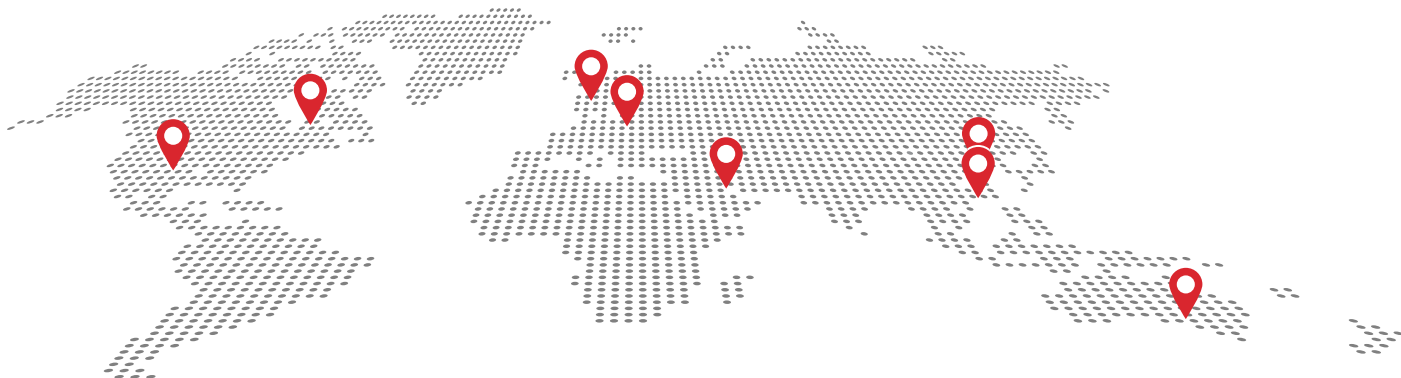- Designed for groups of 4 students

| V5 Workcell Kit | 276-8054 | £1,649·⁹⁹ |

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VEX is STEM

Everything you need is at
GetStarted.VEX.com

USA Main Office
VEX Robotics, Inc.

6725 W. FM 1570
Greenville, TX 75402
United States

email sales@vexrobotics.com
phone +1 (903) 453-0802

Asia-Pacific
Innovation First Trading SARL

Suite 1006, Chinachem Golden Plaza
77 Mody Rd., Tsim Sha Tsui East
Kowloon, Hong Kong

email ap-sales@vexrobotics.com
phone +852-2152-0727

Australia & New Zealand
Innovation First Trading SARL

16 Waddikee Rd.
Lonsdale, SA, 5160
Australia

email auinfo@vexrobotics.com
phone +61 08 8326 5500

Canada
Innovation First Trading, Inc.

940 Brock Rd. Unit #9
Pickering, Ontario
L1W 2A1
Canada

email casales@vexrobotics.com
phone 905-492-2099

China
Innovation First International (Wuhan) Limited

Suite 4301, Zheshang International Building
718 Jianshe Avenue
Jiangan, Wuhan
Hubei, China 430014

email china@vexrobotics.com
phone +86(27)8860 6608

Europe & Southern Africa
Innovation First Trading SARL

Z.A.E. Wolser G, 315
3434 – Dudelange
Luxembourg

email eusales@vexrobotics.com
phone +44 (0) 1925 251038

Middle East & North Africa
Innovation First International (AU) Pty Ltd - Dubai Branch
Office/Suite 804, 8th Floor, Building 2
Bay Square, Business Bay
Dubai
UAE

email menasales@vexrobotics.com
phone +971 4 559 6204

United Kingdom
Innovation First Trading SARL

6 Melford Court
Hardwick Grange
Warrington WA1 4RZ
United Kingdom

email eusales@innovationfirst.com
phone +44 (0) 1925 251038