

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 catalog, 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](https://www.getstarted.vex.com)

Continuum Overview	3
Professional Development +	5
VEXcode VR	6
STEM Labs	7
VEX Library & VEXcode	8
Competition	9
VEX 123	11
VEX GO	13
VEX IQ	15
VEX EXP	17
VEX V5	19
VEX V5 Workcell	21

Welcome to the VEX Continuum

The VEX Continuum enables educators to create a cohesive STEM learning plan for students from Kindergarten through high 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 program 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 personalized 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 these gaps within grade levels. 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 sales@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.

Grades Pre-K+
Ages 4+




Coding Starts Early

Grades 3+
Ages 8+




STEM Starts Early

Grades 6+
Ages 11+




Applied STEM Learning

Grades 9+
Ages 14+




Real World STEM
for Classrooms

Grades 9+
Ages 14+



Real World STEM
for Competition

Grades 9+
Ages 14+



Workforce Readiness

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+ Webinars STEM Trends
Connect with PD+ Experts on STEM Pedagogy



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

\$999
210-8353

Expert-led professional learning is always available



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.

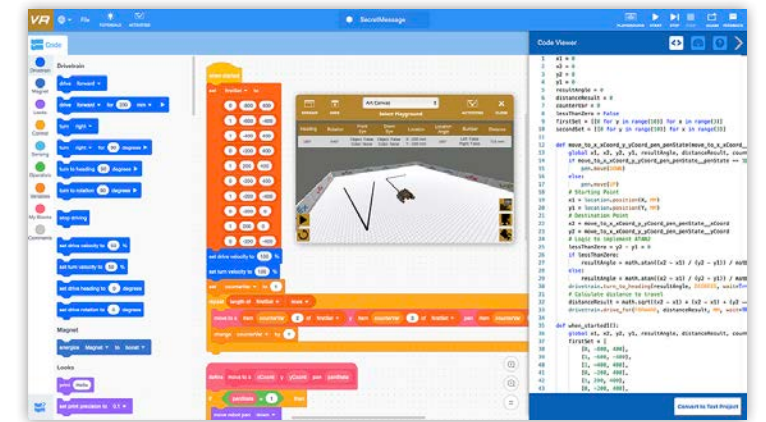
certifications.vex.com

VEXcode VR

From Classroom to Remote Learning, VEXcode VR brings Computer Science to your Students any time, any place.

Teach and learn coding with Virtual Robots (VR). VEXcode VR brings real world STEM concepts to life making coding immersive, accessible and fun. Start with Blocks and progress to Python. Our patented Switch coding makes the Blocks to Text transition easy.

Web Based Virtual Robots & Playgrounds Challenges & Activities CS Fundamentals Course



VEXcode VR is the version you have been using all along. VEXcode VR Enhanced has improved the graphics and resource access, making it more engaging and accessible. With VEXcode VR Advanced you can teach Data Science, Artificial Intelligence, Self Driving Vehicles and bring competitions to the CS classroom.

	VEXcode VR	VEXcode VR Enhanced	VEXcode VR Advanced
Availability	Now at vr.vex.com	Fall 2022	Fall 2022
Price	Free	\$199/educator per year	\$499/educator per year
Languages	Blocks	Blocks, Python	Blocks, Switch, Python
Playgrounds	4 playgrounds	12 playgrounds	16 playgrounds & Artificial Intelligence / Data Science
Competitions	-	-	Virtual Robot Skills (VEX GO, VIQC, & VRC competitions)
Professional Development	Educator Certifications	Educator Certifications	Educator Certifications & VEX PD+ Community
Curriculum & Activities	Yes	Yes	Yes
Resources	Online	Online & Integrated in VEXcode VR	Online & Integrated in VEXcode VR
Learning Submission	-	Yes	Yes
Offline Version	-	Yes	Yes
Support	VEX Forum	VEX Forum, Email, & Online Chat	VEX Forum, Email, Online Chat, & PD+ Community

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 utilized in sequential order to create a unique, extended learning experience.

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

VEX 123



VEX 123 STEM Labs

VEX GO



VEX GO STEM Labs

VEX IQ



VEX IQ STEM Labs

VEX CODE



Computer Science Courses

VEX EXP



VEX EXP STEM Labs

VEX V5



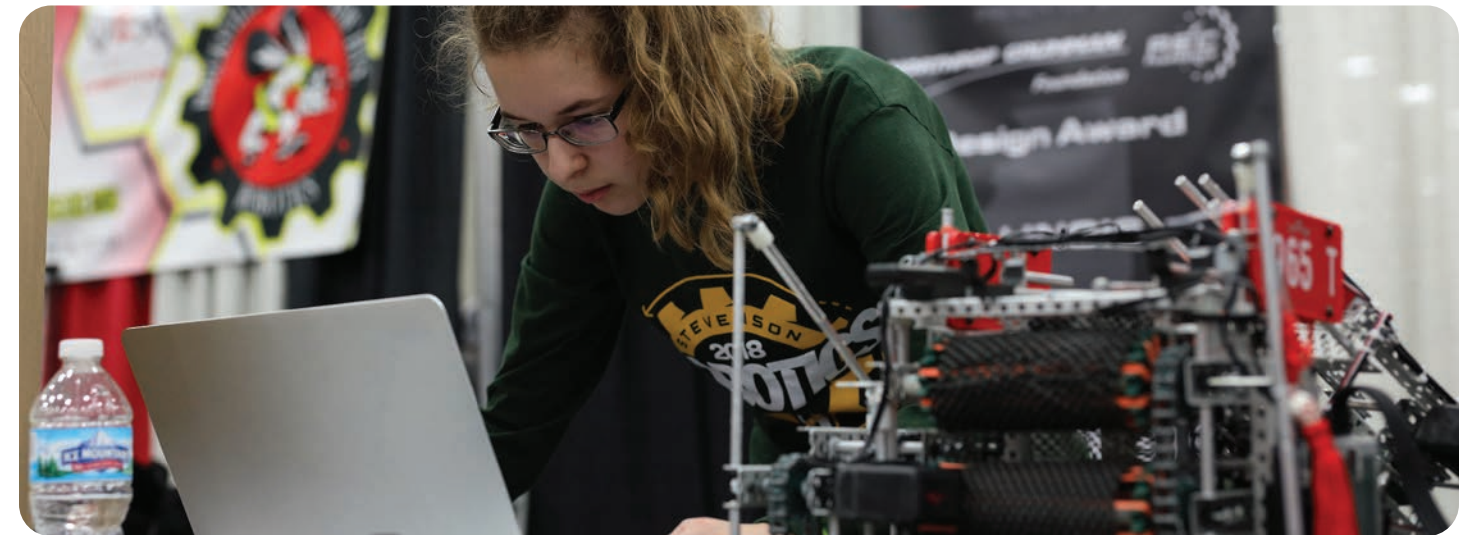
VEX V5 STEM Labs

VEX V5 WORKCELL



VEX V5 Workcell STEM Labs

VEX Library



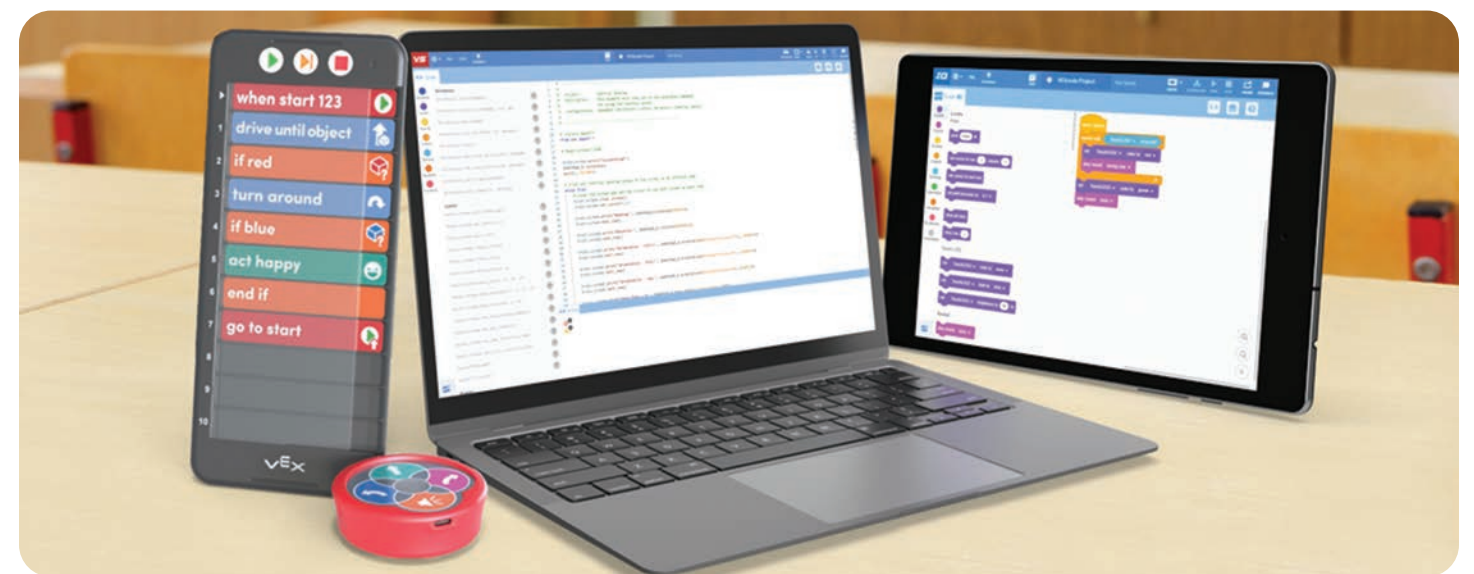
Thousands of articles about VEX and STEM

help.vex.com

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

The VEX 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 elementary, middle, and high school, they never have to learn a different block, code, or toolbar interface.

Competition

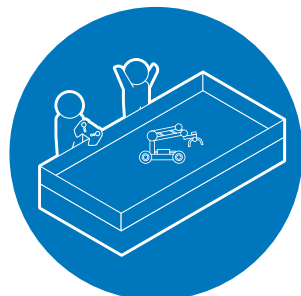


STEM Competitions for K-16

competition.vex.com

All students are natural scientists and engineers. VEX competitions foster these skills and capitalize 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

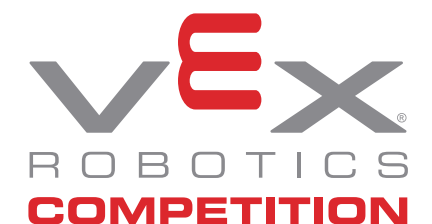


22,000
Participating
Schools

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



Grades 4-8



Grades 6-12

VEX 123

Coding Starts Early for Grades Pre-K+

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.

Single Classroom Robot Kit



Education Kit 248-7621 \$119

All-in-one Classroom Solution!



Small Classroom Bundle	6 Education Kits + Extras	12 Students	248-7355	\$899
Classroom Bundle	12 Education Kits + Extras	24 Students	248-7820	\$1,798
Large Classroom Bundle	18 Education Kits + Extras	36 Students	248-7821	\$2,697

The Five Pillars of VEX

PD+ Competition VEXcode STEM Labs VEX Library



STEM Starts Early for Grades 3+

go.vex.com



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, colors, and composition techniques.



Accessible

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

Single Classroom Robot Kit

Education Kit 269-6705 \$199

Four Competitions in One Kit

Competition Kit 269-8115 \$299

All-in-one Classroom Solution!

Small Classroom Bundle	5 Education Kits + Extras	10 Students	269-7778	\$1,249
Classroom Bundle	10 Education Kits + Extras	20 Students	269-7777	\$2,498
Large Classroom Bundle	15 Education Kits + Extras	30 Students	269-7779	\$3,747

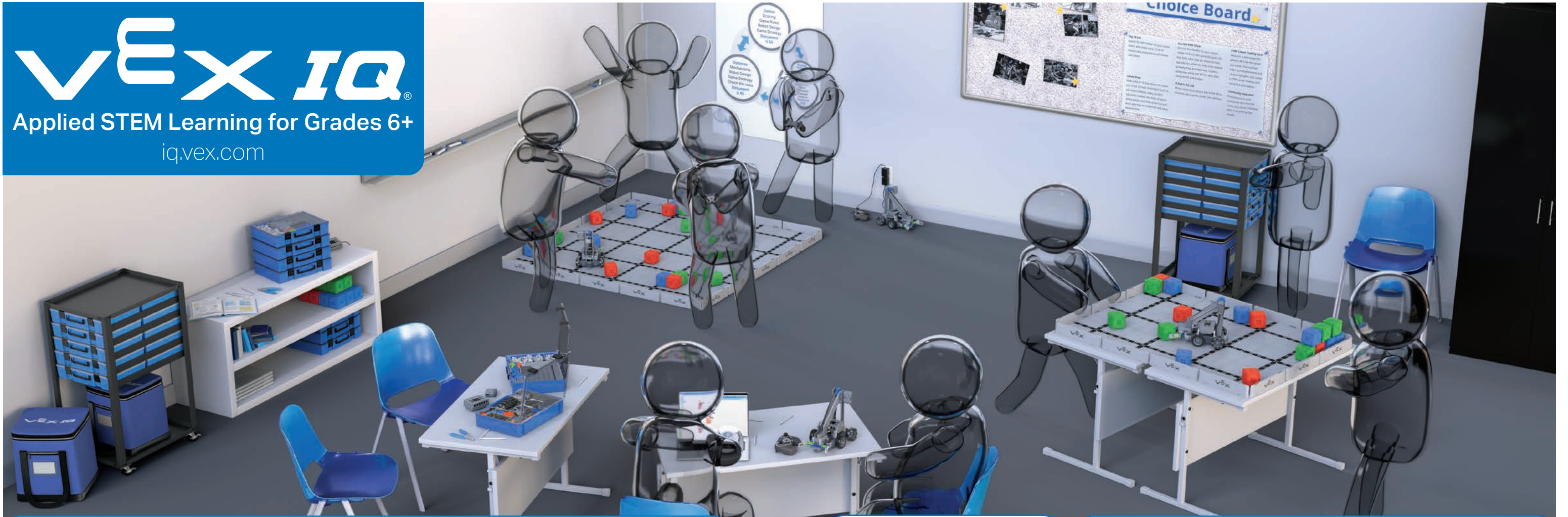
The Five Pillars of VEX

- PD+
- Competition
- VEXcode
- STEM Labs
- VEX Library



Applied STEM Learning for Grades 6+

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.



Customize with VEX

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

Single Classroom Robot Kit



Education Kit 228-8899 \$449

Single Competition Robot Kit



Competition Kit 228-7980 \$649

All-in-one Classroom Solution!



Small Classroom Bundle	5 Education Kits + Extras	10 Students	228-7755	\$2,499
Classroom Bundle	10 Education Kits + Extras	20 Students	228-8203	\$4,998
Large Classroom Bundle	15 Education Kits + Extras	30 Students	228-8205	\$7,497

The Five Pillars of VEX

PD+ Competition VEXcode STEM Labs VEX Library

VEX EXP

Real World STEM for Classrooms Grades 9+

exp.vex.com



Simple

VEX EXP Classroom and Competition Bundles are organized 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 VEX Library, and coding systems.

Single Classroom Robot Kit



Education Kit 280-7735 \$749

All-in-one Classroom Solution!



Small Classroom Bundle	5 Education Kits + Extras	10 Students	280-8074	\$3,999
Classroom Bundle	10 Education Kits + Extras	20 Students	280-8291	\$7,998
Large Classroom Bundle	15 Education Kits + Extras	30 Students	280-8292	\$11,997

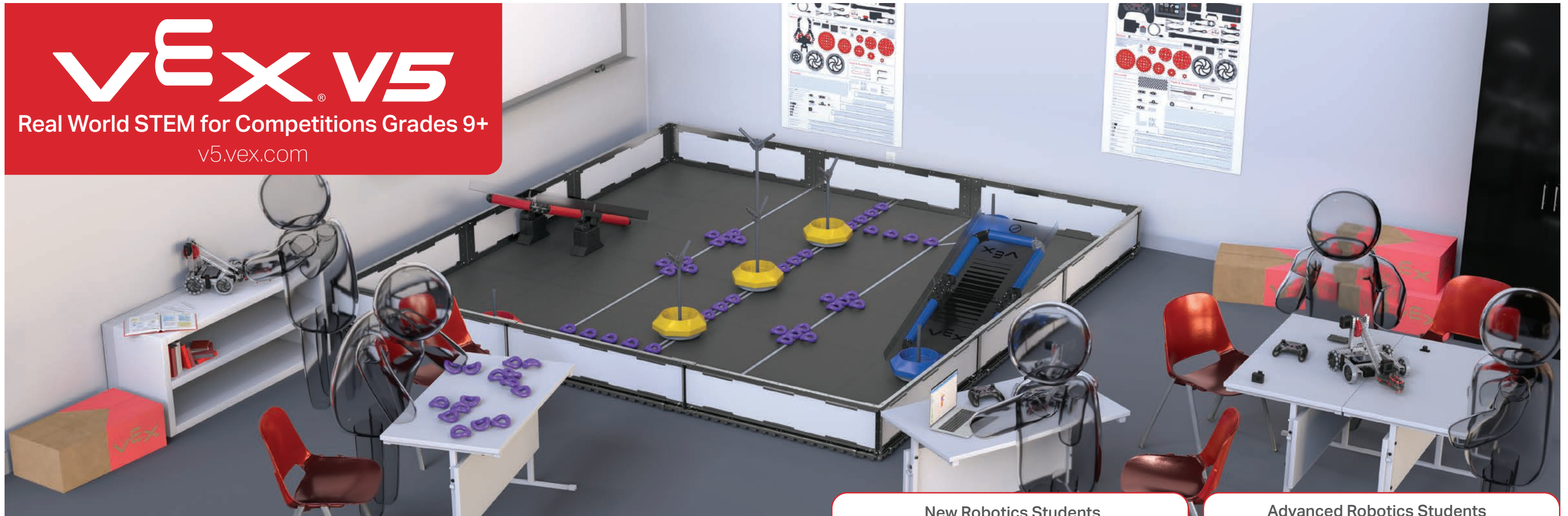
The Five Pillars of VEX

PD+ Competition VEXcode STEM Labs VEX Library

VEX V5

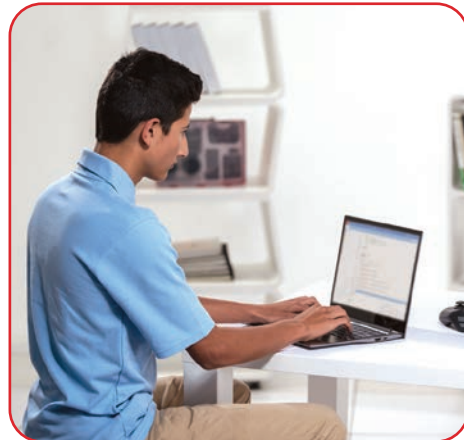
Real World STEM for Competitions Grades 9+

v5.vex.com



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

VEX Library

New Robotics Students



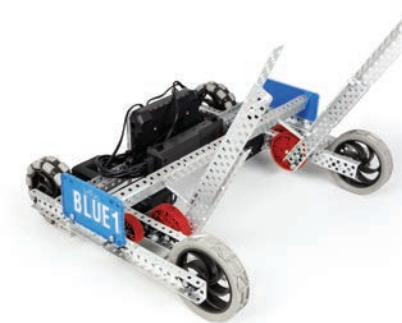
Classroom Starter Kit	276-7010	\$749
Classroom Starter Bundle	276-7070	\$4,499

Advanced Robotics Students



Classroom Super Kit	276-7020	\$1,499
Classroom Super Bundle	276-7080	\$8,999

New Competition Team



Competition Starter Kit	276-7030	\$1,149
-------------------------	----------	---------

Advanced Competition Team

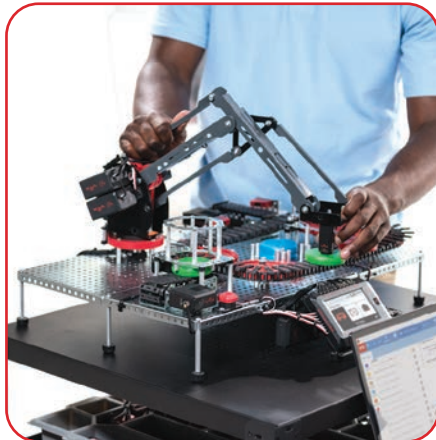


Competition Super Kit	276-7040	\$1,899
-----------------------	----------	---------

VEX V5

WORKCELL

Workforce Development for Grades 9+
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.



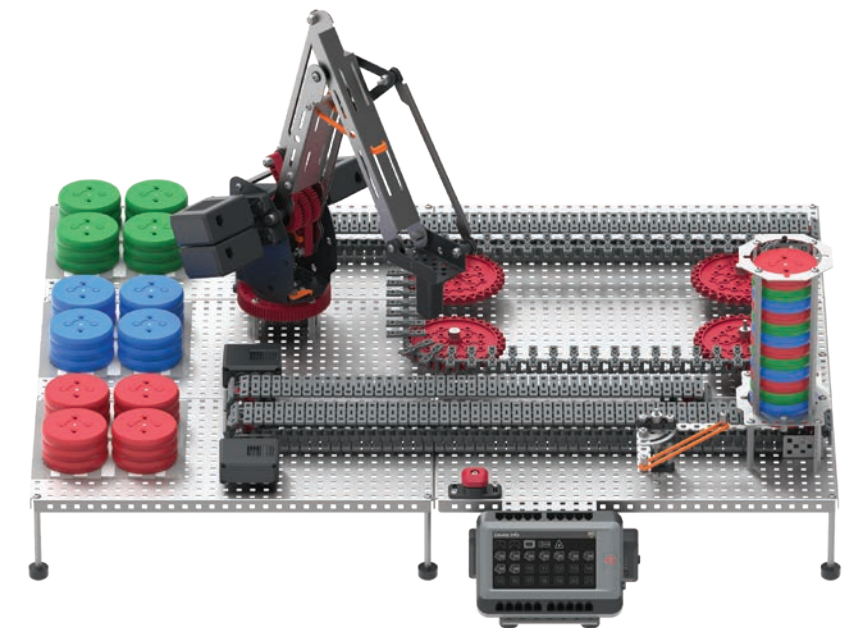
Effective

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

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

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

V5 Workcell Kit



V5 Workcell Kit

276-7900

\$2,499

The Five Pillars of VEX

PD+

Competition

VEXcode

STEM Labs

VEX Library

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