

STEM

SCIENCE

TECHNOLOGY

ENGINEERING

MATHEMATICS

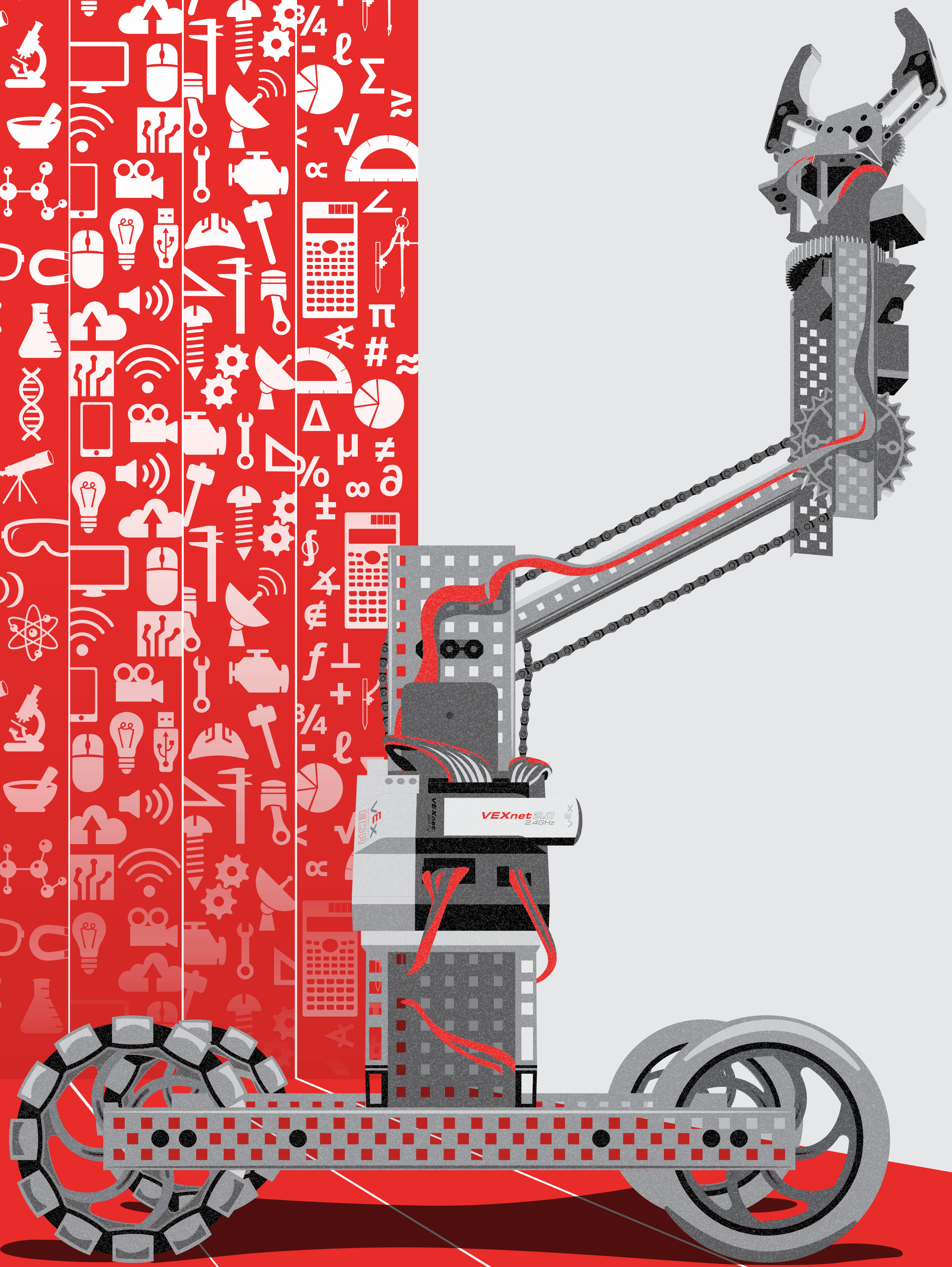
VEX
ROBOTICS



Si
Silicon
14.01274

Fe
Iron
55.845

Cu
Copper
63.546





vEX[®] EDR

Build, Program & Compete

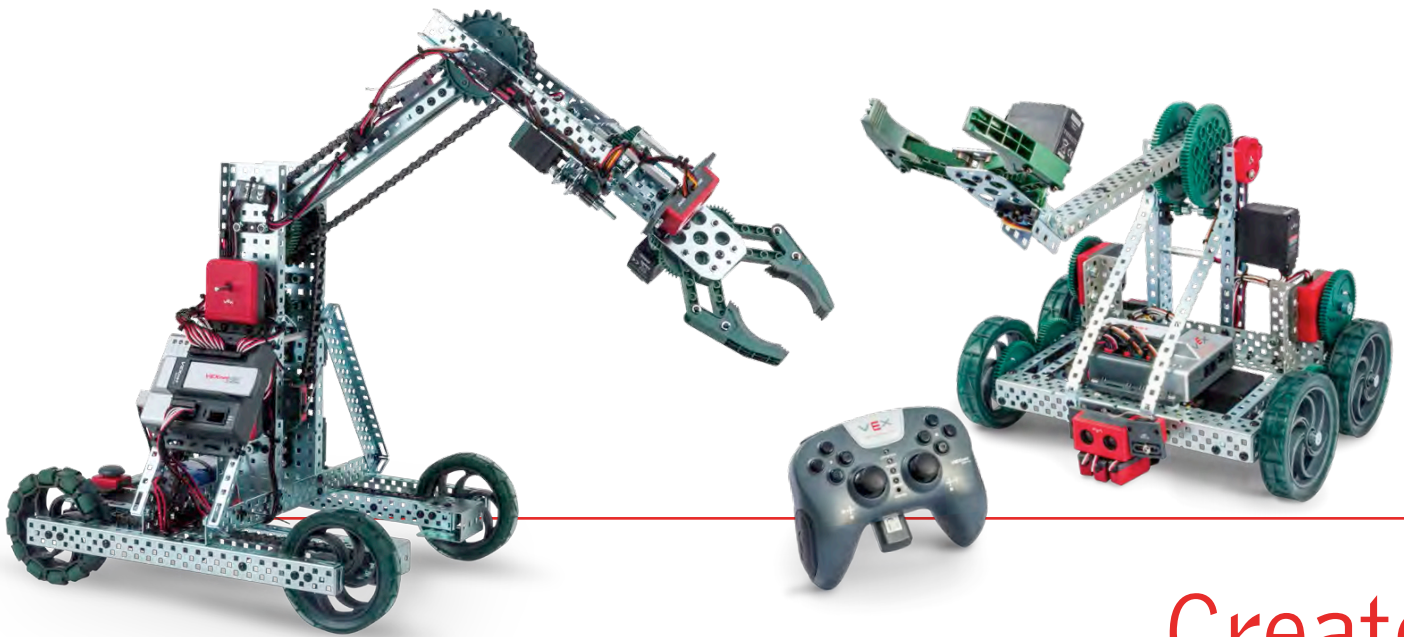
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Think

Learn more about VEX EDR

VEX EDR offers students a rich and exciting platform to immerse themselves in the areas of science, technology, engineering and math (STEM) through the fun of building robots. Educators can bring VEX EDR into the classroom with custom curriculum or use it as a teaching tool through after-school robotics clubs.



Create

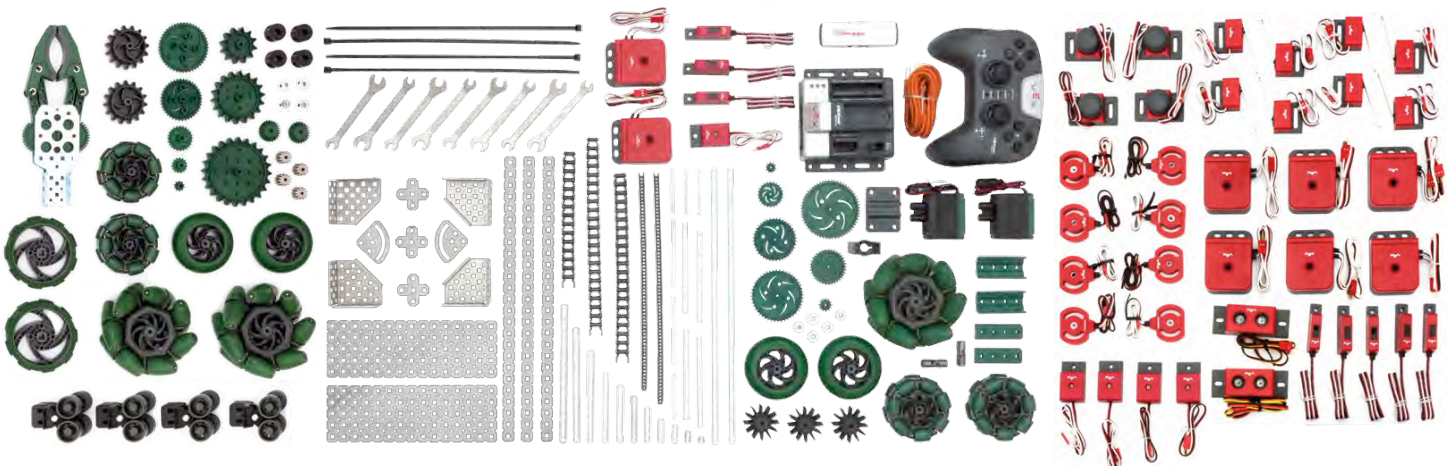
Take a VEX EDR robot to the next level

From an individual just beginning to learn about robotics, to a teacher wanting to start an after-school robotics club, VEX EDR offers multiple affordable kits suited for a variety of needs.

Hands-on curriculum options available from Project Lead the Way (PLTW) and Robomatter give educators the tools that they need to help students develop problem-solving skills and learning programming fundamentals.



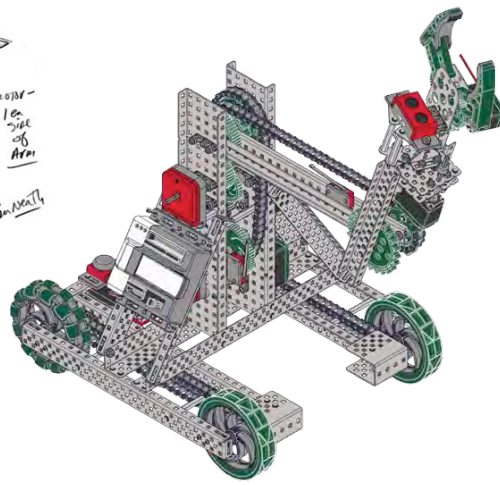
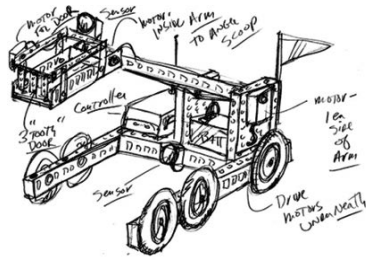
With over 300 parts, VEX EDR provides an unlimited number of ways to achieve the same goal and encourage students' creativity in problem solving. These products are created around each other to ensure a seamless integration.



Build

Customizable for every experience

After the VEX EDR Clawbot is complete, the possibilities are endless as to what can be accomplished. The design process and computer aided design (CAD) play a major role in taking one's skills to the next level.



CAD is great for teams to be able to see what they are making virtually before starting the hands-on build process. Teaching these concepts early on can give students an advantage in the world of STEM!

Amaze

Unleash the potential of VEX EDR with programming

Robots bring code to life and allow students to see what they are learning. ROBOTC for VEX Robotics 4.x is an ideal programming language for educational and competition robotics.



ROBOTC is a C-Based Programming Language with an easy-to-use development environment that's great for both new and experienced programmers. ROBOTC programming software options are available with VEX kits and bundles at no extra charge! Visit vexrobotics.com/software for more information.



Compete

Bridge the gap between classroom and competition robotics

Whether you are competing in the classroom or at an event, competition is important for student success and capturing interest. The VEX Robotics Competition prepares students to become future innovators by learning valuable skills such as teamwork, critical thinking and project management.



Build smarter robots!™

VEX ARM® Cortex®-based Microcontroller

The VEX ARM® Cortex®-based Microcontroller coordinates the flow of information and power to the robot, and allows for both autonomous and driver control of robots.



VEXnet Joystick

The VEXnet Joystick provide a video game controller style interface, which is familiar to students and allows for intuitive robot control.

Sensors

Bring your robot to life using VEX EDR sensors!

Optical Shaft Encoder



Bumper Switch



Potentiometer



Limit Switch

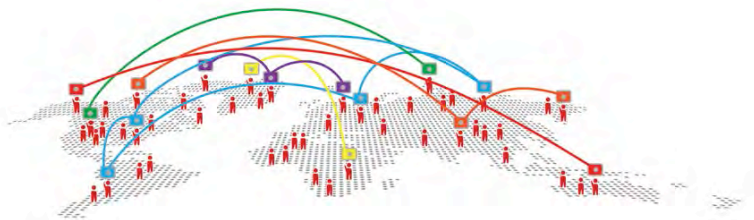


Ultrasonic Range Finder



VEX EDR Forum

The VEX EDR Forum is the go-to place for any VEX related question. If you're having problems with your code, or a specific part - post in a support channel for instantaneous help from VEX staff or someone in the VEX community.



Think. Create. Build. Amaze.

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