VEX CTE

6-Axis Robotic Arm

Tomorrow-Ready Skills. Taught Today.

GRADES 9+



Pictured: **VEX CTE 6-Axis Robotic Arm**

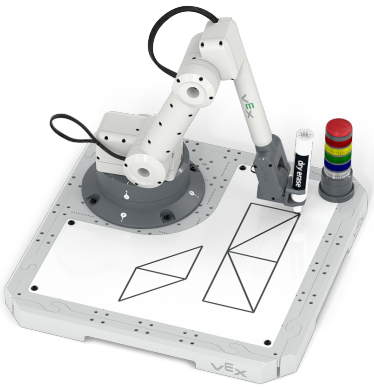
Arm maximum reach: **13 in**
Platform size: **13x13 in**

Program it with

VEX CODE

Code with **Blocks**, **Python**, and **C++**
Software available at no cost
Laptop not included

Career Skills



Develop crucial career skills in your classroom with CTE!

The VEX CTE 6-Axis Robotic Arm Kit is designed for **Career and Technical Education**, giving students hands-on experience programming a realistic robotic arm. Teach industrial robotics with real-life manufacturing concepts through engaging activities and coding challenges.

VEX CTE 6-Axis Robotic Arm



Contains one robotic arm, power adapter and cable, field tile, and other appropriate pieces to get started with the VEX CTE 6-Axis Robotic Arm.

Note: Requires a Windows, Mac, or Chromebook computer (not included)

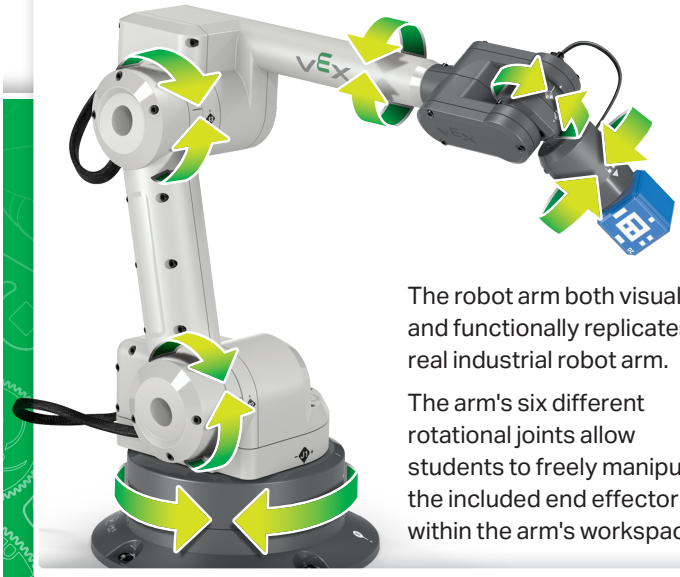
$1499.99

SKU: 234-8768

Find a sales rep near you!
sales.vex.com

All pricing is in USD and is subject to change without notice.

6-Axis Robotic Arm



The robot arm both visually and functionally replicates a real industrial robot arm.

The arm's six different rotational joints allow students to freely manipulate the included end effector within the arm's workspace.

Dry Erase Surface



The kit comes with a special pen holder for using a Dry-Erase Marker.



Also included are two Dry-Erase Markers and a Dry-Erase Surface, so students can quickly get started with STEM Labs exploring path control, absolute and relative movements, and more.

Educator Support Ecosystem

- **VEXcode** is the coding platform that you can rely on
- **VEX Library** is your self-service knowledge base
- **VEX PD+** is the place for professional development and certifications
- **VEX STEM Labs** provides curriculum plug-ins / courseware
- **VEX Sales & Support** by phone or email is here to bolster your teaching journey.

VEX STEM Labs for the CTE Workcell
Introduction to the 6-Axis Arm

- Introduction to Robotic Arms
- Using the Teach Pendant
- Coding Movements
- Motion Planning
- Absolute vs. Relative Movements
- Transporting and Palletizing Objects
- Stacking Objects
- Pick & Place
- Capstone: Engineering Design Process

All curricular resources are aligned with educational standards.

ISTE • NGSS • CSTA • TEKS
Common Core Math • Common Core ELA

Professional Development

Our optional **VEX PD+** is a professional learning community for the ongoing professional development you need, when you need it.

Connect with VEX Experts and educators around the world!

VEX PD+ All Access
$999 per year, per educator
SKU: 210-8353



Free Educational Resources

- **TeachCTE.vex.com** offers a hub of resources to get started with, and return to over time as you continue on your STEM teaching journey.
- **Certification in VEX PD+** will guide you through the basics of building, coding, and teaching with VEX CTE.
- **Library.vex.com** is an online encyclopedia of all things VEX, where you can search and find articles to answer questions, help troubleshoot, or learn more about using VEX CTE with your students.
- **GetStarted.vex.com** gives you the quick links you need to dive into your journey with VEX CTE.

Free Teacher Certifications, Lesson Plans, and Software
Online answers to almost any question at **library.vex.com**

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