

Introduction to



Presenter

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What is VEX IQ?



VEX IQ is a robotics platform designed for elementary and middle school students. Students as young as 8 years old can jump right in and snap robots together using the VEX IQ intuitive, **tool-less platform**. Educators can utilize the free VEX IQ Curriculum and a variety of programming tools.



















3 Ways to Play

1) TEAMWORK challenge

Two Teams work TOGETHER to score as many points as possible in 60 secs. Both teams get the same score.

2) Robot SKILLS challenge

1) Driver Skills Challenge

One Team has 60 secs to score as many points by manually driving the robots.

2) Programming Skills Challenge

One Team has 60 secs to score as many points by **programming the robots** (autonomously)

The robot skills challenge score is a combination of Both scores (Driver skills + Programming skills)







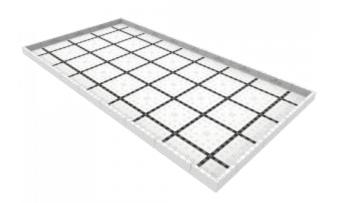


What do you need?



Super Kit *\$429.99*

- Over 850 Structural & Motion Components
- 4 Smart Motors, 7 Sensors, Robot Brain, Controller & Batteries Included
- Storage Bin & Tray included for organized storage of all parts



Full Field \$259.98 OPTIONAL

- Used each year
- Snaps together
- 8' x 4'



Next Level Field Element kit \$129.99 OPTIONAL

 All the field elements & game objects to build a complete VEX IQ Challenge Next Level field





Programming

Programming Software

Choose from 3 programing software solutions

Graphical drag-and-drop programming interface for beginner to intermediate students

- RobotC (Free)
- EasyC
- Modkit (Free)

NEW! SnapCAD (FREE)

Community for learning design and creation of robots in a virtual environment













Curriculum Resources & Tools

VEX has developed the **VEX IQ Curriculum** as a companion to the VEX IQ platform for elementary and middle school students.

http://www.vexrobotics.com/vexiq/education/iq-curriculum

The curriculum offers twelve flexible units of instruction that can be used in sequence, in chunks, or as stand alone lessons. VEX has also developed a new curriculum for camps and after school programs

- Completely FREE
- Aimed at grades 2-8
- Project-based STEM units will instill proper engineering practices from an early age
- Create fun and excitement
- It will excite and inspire your students
- Handbook for after school programs and camps
- VEX IQ Classroom Teacher's Guide for Grades 4–6 (VistaTeach) \$249.99







Curriculum Resources & Tools



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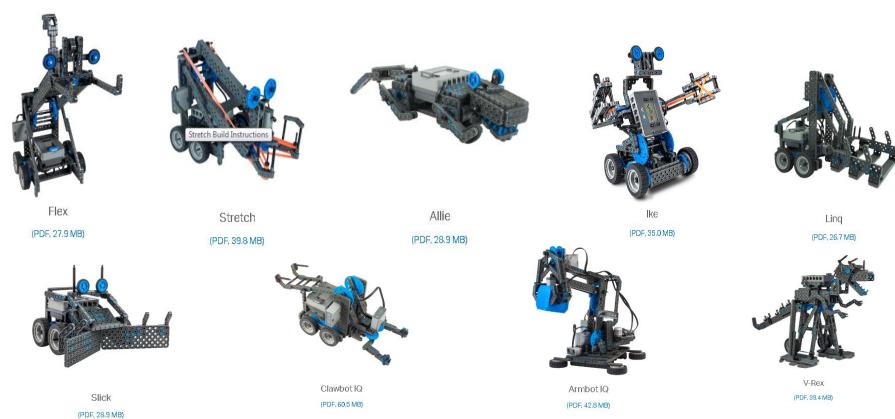
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Curriculum Resources & Tools

Built Using a Super Kit





Lets get started

How we can help:

Teacher PD

One day interactive training session where teachers will build, drive and program a VEX robot.

Teacher & Student PD

One day interactive training session where students will build, drive and program a VEX robot

School Board Scrimmage

One day event where your teams can compete and learn to better prepare for the Skills Ontario Event – Next Level

Skills Ontario Qualifier event

We can assist with your school district skills event.





Questions

Q & A



Thank You.



Thank you for time...

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