VEX Robotics V5

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Vex Quick Start

1. [Pair the V5 Controller with the Brain](#)

2. [Tank Drive on V5 Controller](#)

VEX Robotics V5 Resources

1. Vex Robotics http://www.vexrobotics.com

2. Vex V5 Stem Library
   https://kb.vex.com/hc/en-us/categories/360002333191-V5

3. Vex Forums http://www.vexforum.com

VEX V5 Getting Started Programming

There are two programming IDE's.

VEXcode 5 is very versatile. You can program with Blocks, Python and C++. Blocks programming is a good place to get started and test your robot.

VEXcode 5 Pro has more advanced features. It uses C++ only.

We are going to start with **VEXCode 5**.

All of these links are from https://kb.vex.com/hc/en-us/categories/360002333191-V5

1. Get Started with Your VEX V5 System Bundle
   https://kb.vex.com/hc/en-us/articles/360061110971-Get-Started-with-Your-VEX-V5-System-Bundle

2. Update the firmware (VEXos) on the Vex Brain
   https://kb.vex.com/hc/en-us/articles/360047646811-Get-Started-with-VEXcode-V5-Firmware

3. Download and install VEXcode v5 on Windows
   https://kb.vex.com/hc/en-us/articles/360035953791-Installing-VEXcode-V5-on-Windows

1. Go to https://kb.vex.com/hc/en-us/categories/360002333191-V5

2. Go to **VEXcode V5**.

4. Start programming your VEX!

Vex Robotics Resources

- CS-STEM Network Carnegie Mellon Robotics Academy https://www.cs2n.org

- Vex EDR Curriculum, includes introduction to AutoDesk Inventor
  https://curriculum.vexrobotics.com/

- AutoDesk Inventor Tutorial: https://www.youtube.com/watch?v=1qZL494b2qE

- College Competitions https://www.robotevents.com/robot-competitions/college-competition

- Current Competition Resources:
  https://www.vexrobotics.com/vexedr/competition/vrc-current-game

- Download the Autodesk VEX Kit of Parts
  https://www.autodesk.com/education/competitions-and-events/vex/recommended-software

- Future Engineers of MJC Resource Page http://peterseny.faculty.mjc.edu/femjc.html

- Vex Robotics Wiki https://vexwiki.org/