

# VEX Robotics V5 Resources

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## Get Started with VEXcode V5 Blocks Programming

There are two programming IDE's for the VEX V5.

**VEXcode V5** 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 V5 Pro** has more advanced features. It uses C++ only.

We are going to start with **VEXCode V5**.

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

1. [Installing VEXcode V5 on Windows](#)
2. [Getting Started with Vex V5](#) (Connect and charge batteries)
3. [Building with VEX V5](#) (Getting started, battery holder, and build instructions)
4. [Coding with VEXcode V5](#) (There are two projects toward the bottom, Print 'VEX' and Drive Forward)
  - a. [Downloading and Running a Blocks Project in VEXcode V5](#)
  - b. [Downloading a Blocks Project to a Selected Slot in VEXcode V5](#)
  - c. [Wirelessly Downloading a Blocks Project in VEXcode V5](#)
5. [Configuring a 2-Motor Drivetrain \(No Gyro\) in VEXcode V5](#)

## VEXcode V5 Programming Tutorials

There are some resources for learning how to program the Vex.

1. **VEXcode V5** → **File** → **Examples**
2. In **VEXcode V5** → Click **Tutorials**
3. <https://kb.vex.com/hc/en-us/categories/360002333191-V5>

## 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 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/>