

VEX IQ Coding the Drivetrain

In this Lesson: You learn about what the Drivetrain is, how it can be configured in VEXcode IQ, and how it can be used in a project to make your robot accomplish a task.

Definition(s):

- **Drivetrain:** a mechanism that consists of two or more motors, and wheels, that make a robot move

Notes:

- A Drivetrain consists of two or more motors, and enables you to code your robot to drive and turn more easily, since you do not have to code the individual motors.
 - Drivetrain blocks can be used to drive your robot forward or in reverse, and to drive and turn specific directions and distances.
- Before you can code your Drivetrain, you need to configure it in VEXcode IQ.
- To configure a Drivetrain in VEXcode IQ:
 - Open the Devices Window in VEXcode IQ
 - Select 'Add a Device'
 - Select '2 Motor Drivetrain' or '4 Motor Drivetrain' (whichever matches your robot)
 - Select the ports on the Brain that your left and right motors are plugged into
 - Select 'Done'
- Drivetrain blocks will be added to the Toolbox in VEXcode IQ when the Drivetrain is added, including:



Note: To learn more about each of these blocks, you can access the Help in VEXcode IQ.