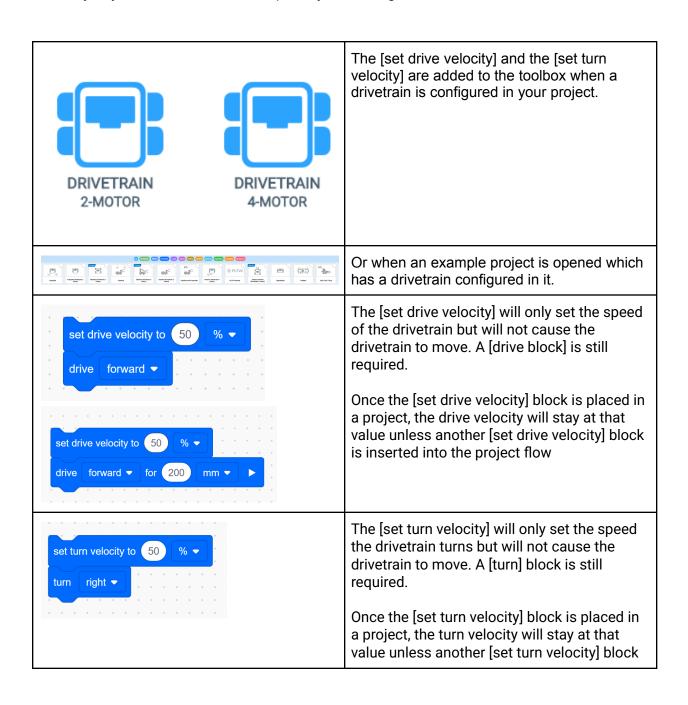
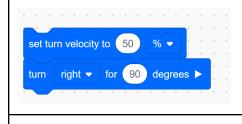
Setting Drive Velocity and Turn Velocity in VEXcode IQ

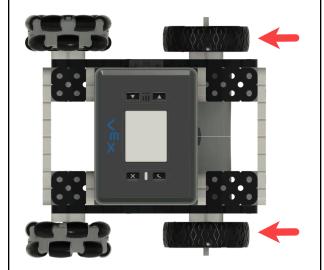
In physics, velocity and turn velocity, which is also known as angular of velocity, are vector quantities of motion. They both have a magnitude and a direction. However, in VEXcode these are conceptual ideas which are used to control the behavior of your robot. The [set drive velocity] sets the rate your robot will move in a straight line and the [set turn velocity] sets the rate your robot rotates for a turn.

Using the [set drive velocity] and the [set turn velocity] blocks can significantly improve the accuracy of your robot's autonomous path by fine tuning its rates of travel.



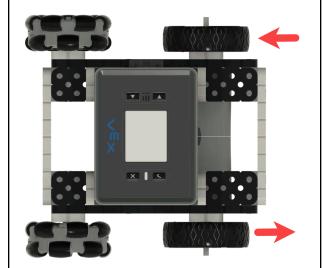


is inserted into the project flow.



The [set drive velocity] is setting the rate at which the drive motors will spin in such a way that the drive wheels move in the same direction at the same rate.

This causes your robot to move in a straight line.



The [set turn velocity] is setting the rate at which the drive motors will spin in such a way that the drive wheels move in the opposite direction at the same rate.

This causes your robot to rotate for a turn.



The units for both the [set drive velocity] and the [set turn velocity] can be changed to either percent or rpm (revolutions per minute).

