




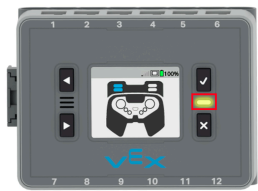

Lesson 1 — Robot Basics: Meet Your Robot

Engage:

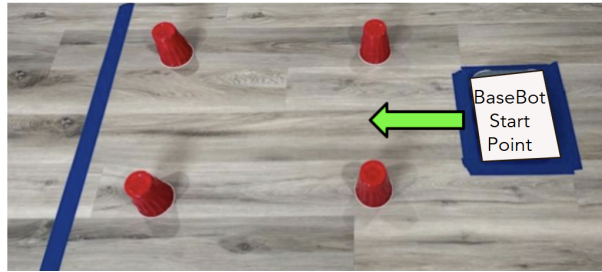
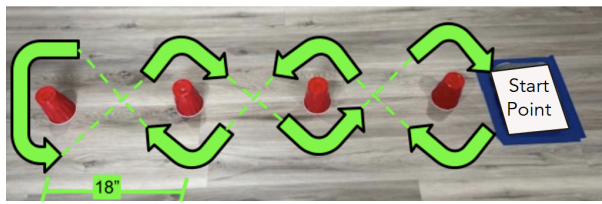
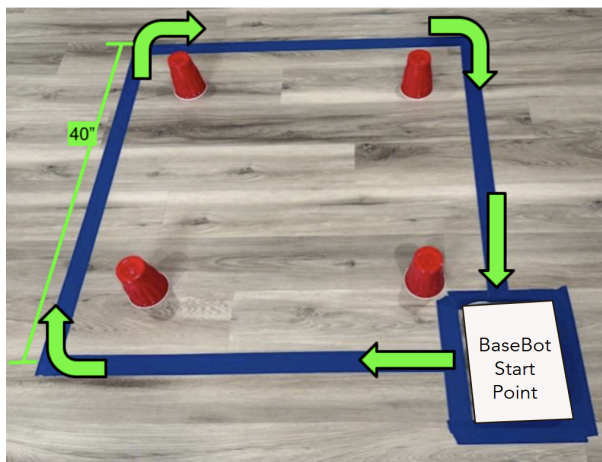
<p>Draw arrows and label the following components of your BaseBot.</p> <ul style="list-style-type: none"> ● Brain ● Motors ● Drive Wheels ● Non-Drive Wheels 	
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Explore:

Time to practice driving your robot! Let's connect the controller to the VEX Brain:

			
<p>Install the Battery and select the Check button to turn on the Brain. Press the Power button to turn on the Controller. The Brain's LED and the Controller's Power/Link LED should display green to show that they are powered on.</p>	<p>Use the arrow buttons to scroll to Settings. Press the Check button to select Settings.</p>	<p>Scroll to Link and press the Check button to select. Once Link is selected, the pairing screen will open. The Brain's LED will turn yellow while connecting.</p>	<p>Press the Controller Power button 2 times while holding down the L-Up and L-Down buttons, as shown on the Brain screen. Note: Notice the timing in which the Power button blinks on the Brain screen. Press the Controller Power button with the same timing.</p>

There are three training courses each driver must complete for practice:

	<p>(1) Stop on a Dime</p> <p>Drive your robot forward, and try to stop as close to the line as you can without touching it!</p>
	<p>(2) Slalom</p> <p>Zig zag your way through the obstacles and return to the starting point. Don't touch them!</p>
	<p>(3) Perfect Square</p> <p>Follow the lines and drive an exact square. You should end up exactly where you started!</p>

Elaborate:

<p>Startup sequence requirements:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Write "Starting Up" on the Brain's screen <input type="checkbox"/> Drive forward <input type="checkbox"/> Rotate 360 degrees <input type="checkbox"/> Make a sound <input type="checkbox"/> End program 	<p>Write down the blocks used in your sequence:</p>
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