






































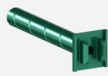

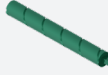









Instructions: Work with a partner to complete each step listed below.

Step 1: Use the organization guide on the lid to make sure all components are in their correct locations.



Step 2: Carefully work through each component to count how many of each are in the lab. Fill out the table below as you work through each component.

		# of components that should be in the lab	# of components counted in the lab	# of components missing from the lab			# of components that should be in the lab	# of components counted in the lab	# of components missing from the lab
Mini Curved Beam		8	<input type="text"/>	<input type="text"/>	Sensor Extender Cable		2	<input type="text"/>	<input type="text"/>
Small Curved Beam		8	<input type="text"/>	<input type="text"/>	Sensor Cable		8	<input type="text"/>	<input type="text"/>
Riser		20	<input type="text"/>	<input type="text"/>	Spark:bit Robotics Controller		1	<input type="text"/>	<input type="text"/>
Double Snap Block		4	<input type="text"/>	<input type="text"/>	Light Module		1	<input type="text"/>	<input type="text"/>
60° Angle Block		8	<input type="text"/>	<input type="text"/>	Low Power IR Transmitter		1	<input type="text"/>	<input type="text"/>
30° Angle Block		10	<input type="text"/>	<input type="text"/>	High Power IR Transmitter		2	<input type="text"/>	<input type="text"/>
Single Snap Block		20	<input type="text"/>	<input type="text"/>	Angle Sensor		1	<input type="text"/>	<input type="text"/>
USB Cable		1	<input type="text"/>	<input type="text"/>	Light Sensor		1	<input type="text"/>	<input type="text"/>
Motor Extender Cable		2	<input type="text"/>	<input type="text"/>	Bump Sensor		2	<input type="text"/>	<input type="text"/>
Motor Cable		2	<input type="text"/>	<input type="text"/>	IR Sensing Receiver		2	<input type="text"/>	<input type="text"/>

		# of components that should be in the lab	# of components counted in the lab	# of components missing from the lab			# of components that should be in the lab	# of components counted in the lab	# of components missing from the lab
Roadway Entry		4	<input type="text"/>	<input type="text"/>	Motor Module		2	<input type="text"/>	<input type="text"/>
Roadway Straight		4	<input type="text"/>	<input type="text"/>	Beam		20	<input type="text"/>	<input type="text"/>
Roadway Incline		8	<input type="text"/>	<input type="text"/>	Half Beam		24	<input type="text"/>	<input type="text"/>
Block		40	<input type="text"/>	<input type="text"/>	Bearing Module		2	<input type="text"/>	<input type="text"/>
String		1	<input type="text"/>	<input type="text"/>	Cog		2	<input type="text"/>	<input type="text"/>
String Block		2	<input type="text"/>	<input type="text"/>	Spool		2	<input type="text"/>	<input type="text"/>
Two Way Brace		4	<input type="text"/>	<input type="text"/>	Lead Screw Rotating Support		2	<input type="text"/>	<input type="text"/>
Trailer Hitch		6	<input type="text"/>	<input type="text"/>	Lead Screw Nut		2	<input type="text"/>	<input type="text"/>
Red ROK Ball		10	<input type="text"/>	<input type="text"/>	Lead Screw Base Screw		2	<input type="text"/>	<input type="text"/>
Rubber Band		2	<input type="text"/>	<input type="text"/>	Lead Screw Extender Screw		4	<input type="text"/>	<input type="text"/>
Girder		4	<input type="text"/>	<input type="text"/>	Axle Block		8	<input type="text"/>	<input type="text"/>
Tool		4	<input type="text"/>	<input type="text"/>	Hinge Block		10	<input type="text"/>	<input type="text"/>
Corbel		6	<input type="text"/>	<input type="text"/>	Pulley		10	<input type="text"/>	<input type="text"/>
Blue ROK Ball		10	<input type="text"/>	<input type="text"/>	Snap-In Wheel		8	<input type="text"/>	<input type="text"/>
Gear Teeth		88	<input type="text"/>	<input type="text"/>					

Step 3: Place the lid back on the lab. Then, turn it in to the instructor along with this activity sheet.