

The North K Robotics Camp

One Day - World Cup of Soccer

Morning (9am-12pm)	Afternoon (1pm-4pm)
<p>Welcome and Camp Expectations</p> <p>Warm-Up:</p> <ul style="list-style-type: none">● Introduction Ice-breaker - Parade of Campers!<ul style="list-style-type: none">○ Because campers are beginning their Robot World Cup of Soccer, we will form groups which represent nations in the World Cup.○ Put campers in pairs and provide each group with a sheet of paper to create a flag that represents all of them. Give them 10 minutes to create their flag. They can pick a nation as well, and combine themselves and the nations flag into one.○ After flags are created, have campers walk around the room in a 'parade' then present their flag to the rest of the camp, explaining how each person is represented on their flag.○ Groups can display their flag throughout the rest of the camp while competing. <p>Main Activity:</p> <ul style="list-style-type: none">● Build the VEX IQ Autopilot.<ul style="list-style-type: none">○ Follow the build instructions in the Seek Section of this STEM Lab. <p>Extension Activity:</p> <ul style="list-style-type: none">● Have students practice using the VEX IQ Controller with the Autopilot.	<p>Main Activities:</p> <ul style="list-style-type: none">● Robot Soccer Activity <p>Extension Activities:</p> <ul style="list-style-type: none">● Complete the 'Level Up' options in the Robot Soccer Activity<ul style="list-style-type: none">○ Create an attachment!○ Pair up!○ Improve your aim!