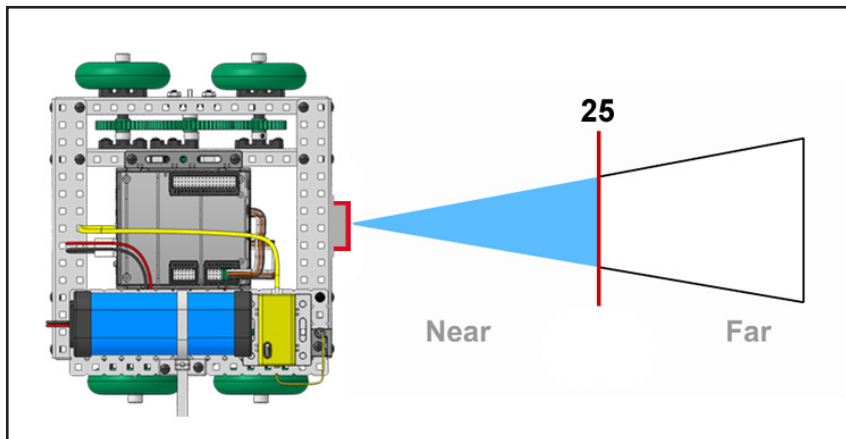


## Reference

# Thresholds

Thresholds are values that set a cutoff in a range of values, so that even if there are many possibilities, the value eventually falls above the threshold, or below the threshold. Using thresholds allows you to perform certain behaviors depending on where a certain value (usually a sensor value) falls in relation to the threshold.



If you look at this image, it shows an VEX using an Ultrasonic Sensor. The threshold in this case is 25 inches. We can create behaviors that tell the robot to go forward until Ultrasonic Sensor detects something closer than 25 inches.

The threshold is just used to determine at which point the robot should be performing a different behavior.