

Robot Mission List – Mandatory – EV3

Done	#	Mission
		Rotational Sensor
	1	Go forward 2 feet and stop
	2	Go forward 2 feet, turn around to face start position
	3	Go forward 2 feet, turn around, return to start position, stop
	4	Go around box, returning to start position
	5	Go around box, return to start position, using program loop and no more than 4 move blocks
	6	Maze!
		Touch Sensor
	7	Go forward, touch wall, stop
	8	Go forward, touch wall, stop, turn around
	9	Go forward, touch wall, stop, turn around; repeat forever using program loop
	10	Touch 4 walls squarely and stop, using program loop
		Ultrasonic Sensor (Distance)
	11	Go forward, stop 6 inches from wall
	12	Go forward, stop 6 inches from wall, turn around
	13	Go forward, stop 6 inches from wall, turn around; repeat forever using program loop
	14	Approach 4 walls squarely and stop, using program loop
		NXT Sound Sensor
	15	Start with sound, go forward 2 feet
	16	Go forward, stop with sound
	17	Start with sound, go forward, stop with sound
	18	Start with sound, go forward, stop with sound; repeat forever using program loop
		Color Sensor (Reflected Light Mode)
	19	Go forward, stop on tape line
	20	Go forward, stop on tape line, go forward, stop on second tape line
	21	Go forward, stop on tape line, go forward, stop on 2nd tape line, return to 1st tape line, stop
	22	Follow tape line
		Multiple Sensors
	23	Start with sound, follow tape line
	24	Start with touch, go forward, stop 6 inches from wall
	25	Start with hand wave in front of distance sensor, go forward, stop on tape line, follow tape line
	26	Start with hand wave, go forward, stop on touch, go backward, stop 6 inches from wall, go forward 1.5 feet, turn squarely; repeat forever using program loop
	27	Start with sound, go forward, find tape line, follow tape line, stop 6 inches from object in path
	28	Start with touch, go forward, stop on red line
	29	Start with hand wave, go forward, find tape line, follow tape line, stop on red or black patch
	30	4-Sensor Maze!