

Programming - Line Sensor

Visit the Class Web Site for Instructions and Time Saving Hints!

Summary	Description	Instructor Initial of Completion
Task #1: Test The Line Sensor	As you were shown in the tutorial, write a program in which the robot will move forward after both sensors see white and stops after 3 seconds.	
Task #1A: Left Sensor Triggers Left Wheel.	Write a program in which when a white object is moved in front of the left sensor, the left wheel will spin.	
Task #1B: !Operators! Left Sensor Triggers Left Wheel.	Write a program in which when a white object is moved in front of the left sensor, the left wheel will spin. (You must use an Operator!)	
Task#2A: Black Line Triggers Line Sensor	Write a program in which the robot moves forward when the sensor sees black and it does not stop. (You must use an Operator!)	
Task#2B: Black Line Triggers Line Sensor / White Stops Motion	Write a program in which the robot moves forward when the sensor sees the black line and stops when the sensor sees white. (You must use an Operator!)	
Task #3a: Move Straight Over Black Line	Write a program in which the robot moves its way along a straight black line. Program the line sensor to shift the robot onto the black line each time it touches white. (You must use an Operator!)	
Task #3b: Move Around A Figure 8.	Write a program in which the robot travels around a Figure 8 using the line sensor to shift it off the white and back onto the black. (You must use an Operator!)	

Sensor 1 (Left)	Sensor 2 (Right)	Returned Value
		0
		1
		2
		3

