

Programming Robot - Motion

Your Mission:

You will learn how to program your robot to move in different directions. You will then program it to follow the path shown in the website video and map below. It shall always move in a straight path and not touch any of the colored lines. When your robot comes to a stop in the corresponding red striped area, your mission will be considered a success.

Good Luck!

| Summary | Description | Instructor Initial of Completion |
|---|---|-------------------------------------|
| Task #1: Move Straight | Program the robot to move forward. | |
| Task #2: Forward Motion and Turns. | Program your robot so that it: <ul style="list-style-type: none"> • Waits 1 second to begin motion after the power switch has been activated. • Turns forward right for 3 seconds. • Stops and waits for 1 second. • Turns forward left for 3 seconds. • Stops and waits for 1 second. • Drives straight for 3 seconds. • Stop. | |
| Task#3: Backward Motion & Turns. | Program your robot so that it: <ul style="list-style-type: none"> • Waits 1 second to begin motion after the power switch has been activated • Turns backward right for 3 seconds. • Stops and waits for 1 second. • Turns backward left for 3 seconds. • Stops and waits for 1 second. • Drives backward for 3 seconds. • Stop. | |
| Task #4: The Maze | Program the robot to move through the maze. | |

“The Maze”

