

LEGO MINDSTORMS NXT

Assignments

Lesson 01 Assignment:

After reviewing the Lesson 01 material, use the NXT set's 23 page Quickstart Guide to construct the robot shown in the guide. Write a one page reflection on your building experience and submit it by **July 8**.

Use the Robo Center's walkthrough for the TriBot to complete the following assignments:

Lesson 02 Assignments:

Using the NXT-G software, watch the Software Overview animation. Create a new program and construct the TriBot Driving base program. Include comments in the program for each block explaining what it does. Submit your program .rbt file by **July 15**.

Add the Bumper to your TriBot. Then follow the instructions for programming the robot with the bumper. Include comments in the program for each block explaining what it does. Submit your program .rbt file by **July 15**.

Lesson 03 Assignments:

Add the Grabber to your TriBot. Then follow the instructions for programming the robot with the grabber. Include comments in the program for each block explaining what it does. Submit your program .rbt file by **July 22**.

Add the Sound Control to your TriBot. Then follow instructions for programming the robot with the sound control. Include comments in the program for each block explaining what it does. Submit your program .rbt file by **July 22**.

Lesson 04 Assignments:

Add the Light Sensor to your TriBot. Then follow the instructions for programming the robot with the light sensor. Include comments in the program for each block explaining what it does. Submit your program .rbt file by **July 29**.

Add the Ultrasonic Sensor to your TriBot. Then follow the instructions for programming the robot with the ultrasonic sensor. Include comments in the program for each block explaining what it does. Submit your program .rbt file by **July 29**.