

Name: _____

Date: _____

EV3 Task List 2

Projects are Found in the **EV3 Software > Robot Educator > BEYOND BASICS** Tab.

Complete these tasks in order. Color in the  after completing the task.

1. Multitasking

Use multitasking to move the Driving Base and play a sound at the same time.

Notes:

2. Loop

Use the Loop block to repeat a series of actions.

Notes:

3. Switch

Use the Switch block to make dynamic sensor-based decisions.

Notes:

4. Multiple Switch

Program the Driving Base to move and turn when it detects different colors.

Notes:

5. Random

Use the Random block to move the Driving Base at random speed and direction.

Notes:

6. Sensor Blocks

Use sensor blocks to dynamically control the power of Driving Base motors.

Notes:

7. Range

Use the Ultrasonic Sensor to move the Driving Base forward when within a specified range of the Cuboid.

Notes:

The following programs do not require a Driving Base.

8. Data Wires

Experiment with three types of data wires and how they can be used.

Notes:

9. Text

Display real-time sensor values and merge with text.

Notes: