

Full Volume: Lesson 4 - Check Your Understanding

Learn Questions

1. In the picture to the right, the red arrow is pointing to the _____ sensor and the green arrow is pointing to the _____ sensor.

- a. Bumper, Touch LED
- b. Touch LED, Distance
- c. Inertial, GPS
- d. Optical, Distance

2. Which of the following is located inside Byte's intake?

- a. Touch LED
- b. Distance Sensor
- c. Bumper Switch
- d. Inertial Sensor

3. Which of the following is located on top of Byte's arm?

- a. Touch LED
- b. Distance Sensor
- c. Bumper Switch
- d. Optical Sensor

4. The _____ can be used to detect when an object is present in the intake, and the color of that object.

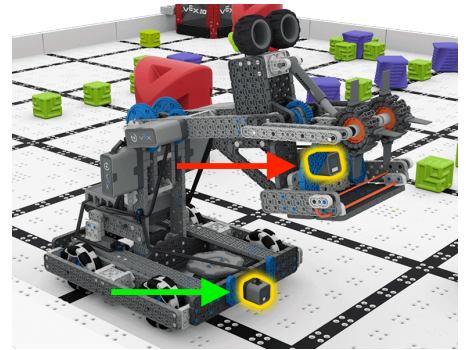
- a. Inertial Sensor
- b. Touch LED
- c. Optical Sensor
- d. Bumper Switch

5. The _____ is located in the intake and reports as 'pressed' when an object is fully in the intake.

- a. Distance Sensor
- b. Optical Sensor
- c. Touch LED
- d. Bumper Switch

6. Which of the following sensors can be used to detect the presence of an object on the Field and how far away it is?

- a. Distance Sensor
- b. Optical Sensor
- c. Touch LED
- d. Bumper Switch



7. Which of the following can be used to show visual feedback about Byte, like when the Bumper Switch is pressed, or when a section of a project is running?
- Touch LED
 - Distance Sensor
 - Gyro Sensor
 - Intake Sensor
1. In order for the _____ to be able to detect an object on the Field and the distance to it, the arm of Byte must be _____.
- Distance Sensor; lowered
 - Optical Sensor; lowered
 - Distance Sensor; raised
 - Optical Sensor; raised
2. Which of the following sensors can be used to help you code Byte to sort game objects by color?
- Distance Sensor
 - Bumper Switch
 - Inertial Sensor
 - Optical Sensor