

## **Week 2 Challenges:**

### **1. Make the robot follow a line**

- Make sure it runs on the test track
- Hint – put your code in one big unlimited loop
  - Use if statement to check if on black or white

### **2. Go to the piece on the test track, pick it up, bring it to the dropoff point 1 and drop it off**

- Idea – you may want to use a medium motor and create an “arm” to lift the piece up. You do not have to choose this method. This is only one possible way
- Note – You may hardcode for this challenge

### **3. Go to the piece on the test track, pick it up, bring it to dropoff point 2 and drop it off**

- You may NOT hardcode the time for this challenge. Make use of the black lines to navigate to dropoff point 2.

## **Week 2 At-Home ToDos':**

1. Go to <http://homework2tim.tk/FLL/> and familiarize yourself with the missions (About the competition). We will be breaking off next week and you'll each choose some missions to complete.
2. Use Google and search for some robot ideas. Remember, you guys will be designing a robot as a team!