# Embedded System Workshops

[PROJECT_NAME]
[STUDENT_NAME]
*CCA Girls Who Code*

# Project Overview

➔ Purpose

   ◆

➔ Grab your kit, and let's get started!

Insert picture of your BUILT circuit here

# What are we making?

➜ [Project Description]

◆ Describe in depth your project

Insert picture of your BUILT circuit here

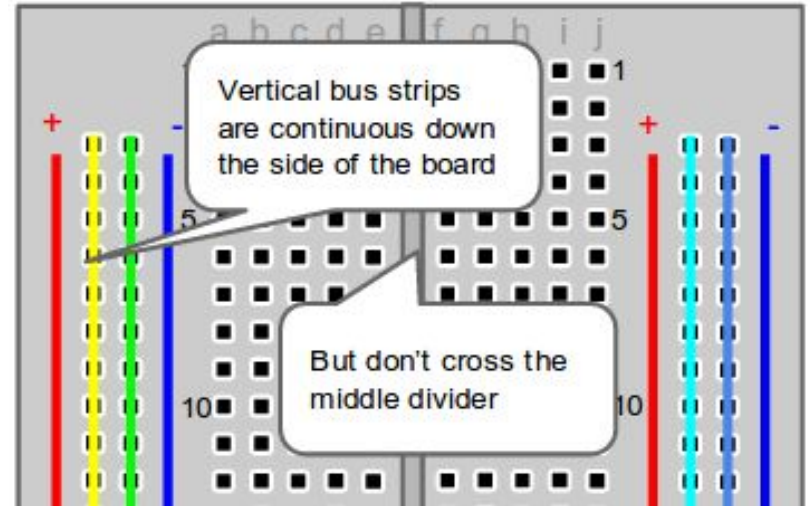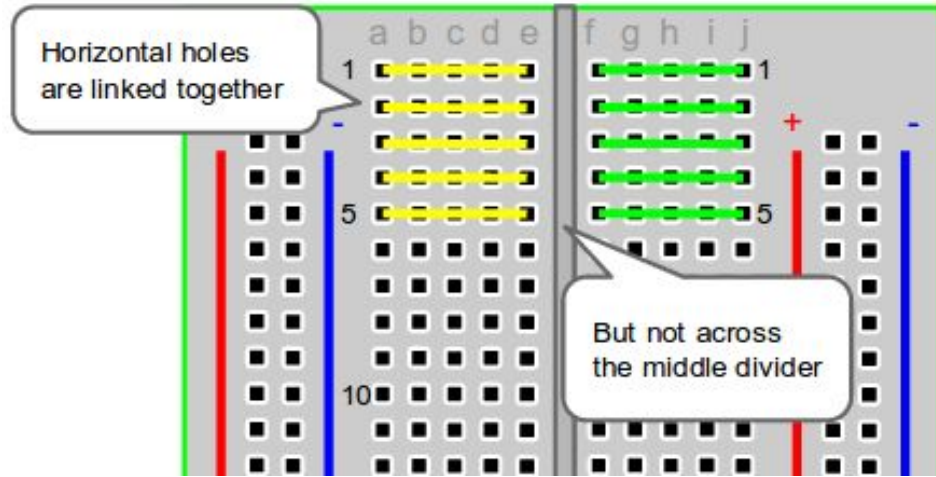# Parts List

➔ Arduino UNO R3 Controller Board

➔ USB Cable

➔ Breadboard

➔ [List out your parts...]
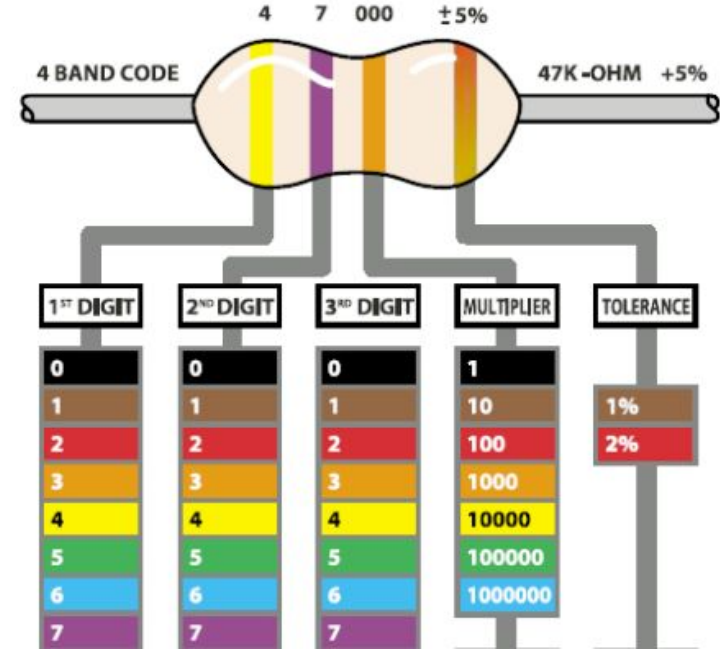
➔ [List out your parts...]

# Theory

# Review: Breadboards Explained



Tip: It is good practice to have your power input connected to the red/positive rail and your ground pin connected to the blue/negative rail.

# Review: Resistors

- Resistors slow the electric current, and control where and how fast the current flows
- Resistance value is measured in ohms Ω, which is represented by colored stripes on the body of the resistor
- Each stripe has a different value depending on the color and location as shown in the reference chart
- A potentiometer is a variable resistor

# Project

# [INSERT_PART]

If your project uses a part that we **HAVE NOT** covered in class, add a slide for it under the project section.

If your project uses a part that we **HAVE** covered in class, copy the slide for that part under the review section.

# Schematic

Insert picture of your circuit SCHEMATIC here

# Project Code

Insert picture of your code here

Use these boxes to describe the code

Second box to describe the code

To test your code, click the checkmark then the arrow!

✓  →

# Thank you!

CCA Girls Who Code
ccagirlswhocode@gmail.com
www.ccagirlswhocode.weebly.com