**Project description:**

* A personal shopper or dresser. There will be a rack/clothing area with three sections; Tops, Bottoms and shoes. Users will pick three items of clothes and scan them to display it on a digital 2D model with the users face in the place of the 2D model to test what outfits look nice together without having to try them on themselves.

**List of parts you need that are not in your kit:**

* color sensor
* solderable buttons(Look at Arduino description B)
* solderable breadboard(?)

**Description of the Arduino program:**

A. Have as many different colors as there are items and scan, whatever scanned is then placed on the screen onto of the body (One of tops, bottoms and shoes).

B. If the colors cannot be differentiated because of the amount I’ll limit the colors and make the same colors for each section of clothes. There will be 6 colors: Red, Orange, Yellow, Green, Blue and Purple and there will be one color per tag for the tops bottoms and shoes. I will also have three buttons so the user will have to click a button then scan the color and Ill then send the data for the three different sections to processing to display the outfit.

**Description of the Processing program:**

* Take the sensor values and information and use that to connect to the different items of clothes and display them. It will also capture a picture of the user and crop and display on the head of the displayed body.

**Things you need to learn that you don’t yet know:**

* How to use the color sensor

**Areas of greatest concern:**

* The color sensor’s value’s