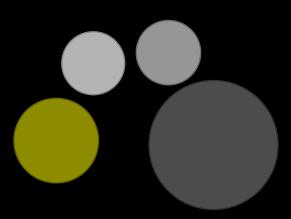# ARDUINO DRUMS

PROGRAM

**P5.bots
Arduino**

SUMMARY

Use different colors to encode for different drum kit sounds

References:

https://www.youtube.com/watch?v=x8kiiMCqjqk

Domenick Propati's Masters Project

CALENDAR: OBTAIN AND BUILD HARDWARE (11.28), GET FIRST DRAFT OF CODE (11.30)

SKETCH:

SETUP
Initialise all the sensors (IR) as well as the ports

VOID/DRAW
**-Play different sounds for different colors on the kit
-Maybe include different visualisations on screen for different sounds too (if time permits)**

WHAT I KNOW:
**Arduino
P5.js**

CHALLENGES:
**-Combining Arduino with p5.bots library
-Ensuring hardware doesn't fail
-Encapsulating all of the hardware so it doesn't fall apart**

SETUP:
Arduino + color pads