# 1st class schedule

Prep: Install Ardublock, Github desktop on all computers, send all emails, print out all instructions

What electronics do you use? How do they work? Can you create any?

Cool arduino projects other people have done.

What we will do in this class.

* LEDs
* Potentiometers
* Pushbuttons
* RGB LED

Voltage and Current, review from video in wiki lesson – measure using multimeter - How to use a multimeter

Ohm’s law

Open Github, select ‘Arduino 101’, select ‘master’ branch, sync, select your branch, click ‘update from master’

Build circuit from lesson – how to connect and program Arduino

Open Ardublock – step them through creation of the circuit

Upload and test, check the code, discuss how blocks correlate to code

Save their code to Github

Review what was learned at the end of class – discuss answers to the worksheet together

Homework – Install Arduino at home, install ardublock, sync code from last project, upload at home, make changes, flow diagram worksheets