Drexel University

# Memo

**To:** ECE 303

**From**: David Schmidt

**CC**: Other recipients

## Introductory lab for Arduino Mega 2650.

**Task:** To create a simple circuit to power a light switch and change the analog write value from 100 to 255. Doing so we can dim and brighten the LED

## Equipment: Mega Arduino 2650 starter kit

330 ohm resistor
Jumper wires
5v LED

## CODE:

```
int led = 13;

// the setup routine runs once when you press reset:
void setup() {
 Serial.begin(9600);
// initialize the digital pin as an output.
pinMode(led, OUTPUT);
}
// the loop routine runs over and over again forever:
void loop() {
analogWrite(led,100);
 delay(1000); // wait for a second
 }
```