

Programming the UNO and Making Measurements with Oscilloscope

Names: _____

1. Find the example “blink” included in Arduino Sketch and save to your own folder. Compile and upload the program to the UNO which will blink the on-board LED (hidden under breadboard) tied to digital pin 13.

2. Uses serial print and monitor to display a message once, and then another over and over.
 - a. What are the key functions/commands you used? List and describe them.

3. Add your own external LED (with resistor to limit current) on the breadboard, turn it on and off every second using a digital port of your choice.
 - a. Use the oscilloscope to measure accuracy of time specified by `delay(1000)` on the digital port. Sketch the square wave you see on the oscilloscope noting “on” and “off” times.

