

```
/* FSR testing sketch.
```

Connect one end of FSR to 5V, the other end to Analog 0.

Then connect one end of a 10K resistor from Analog 0 to ground

Connect LED from pin 13 through a resistor to ground

For more information see [www.ladyada.net/learn/sensors/fsr.html](http://www.ladyada.net/learn/sensors/fsr.html) \*/

```
int fsrAnalogPin = 0; // FSR is connected to analog 0
int LEDpin = 13;      // connect Red LED to pin 11 (PWM pin)
int fsrReading;      // the analog reading from the FSR resistor divider
int LEDbrightness;
```

```
void setup(void) {
  Serial.begin(9600); // We'll send debugging information via the Serial monitor
  pinMode(LEDpin, OUTPUT);
}
```

```
void loop(void) {
  fsrReading = analogRead(fsrAnalogPin);
  Serial.print("Analog reading = ");
  Serial.println(fsrReading);
```

```
  // we'll need to change the range from the analog reading (0-1023) down to the range
  // used by analogWrite (0-255) with map!
  LEDbrightness = map(fsrReading, 0, 1023, 0, 255);
  // LED gets brighter the harder you press
```

```
analogWrite(LEDpin, LEDbrightness);  
delay(100);  
}
```