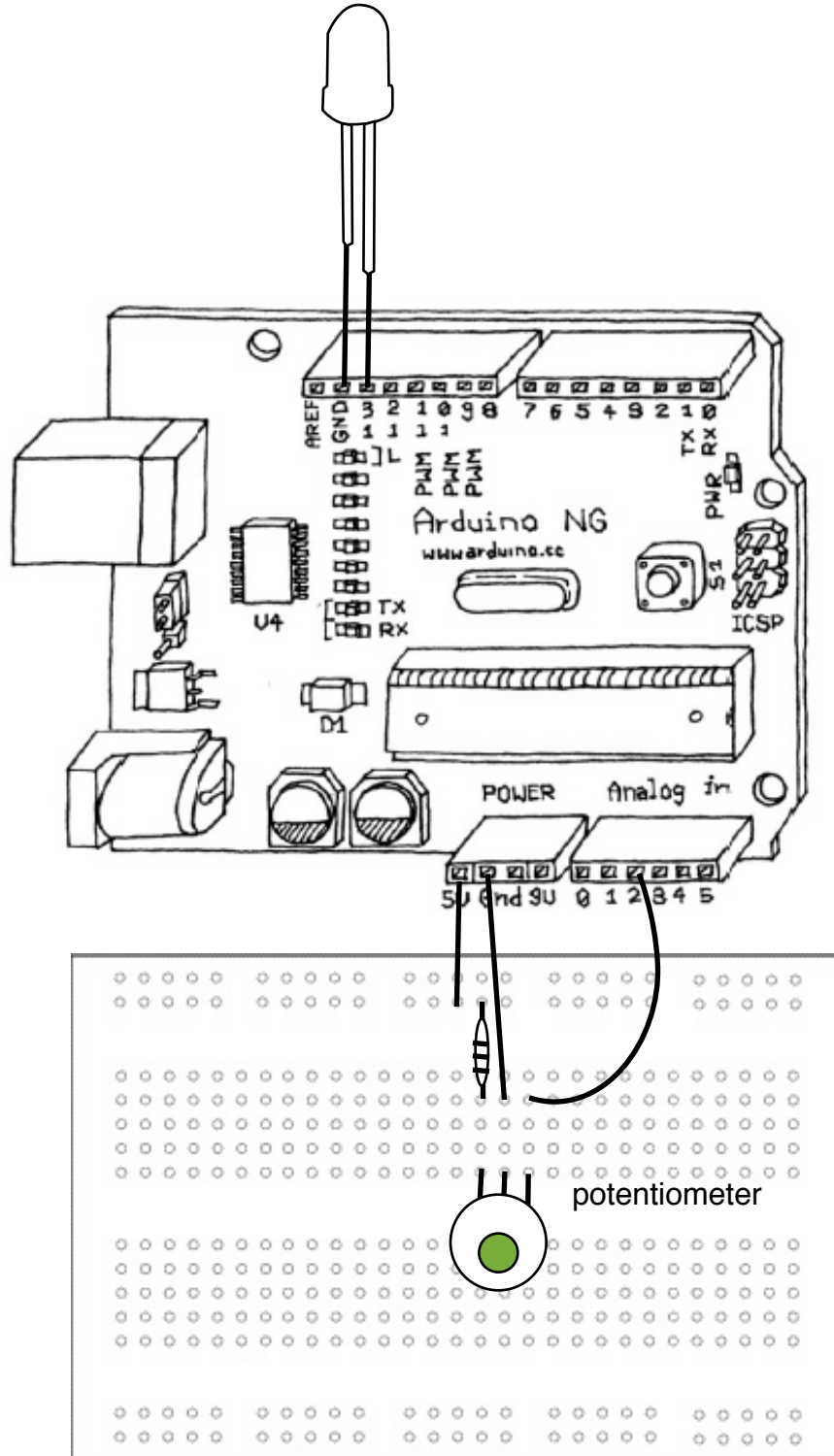


Potentiometer

This program will allow adjust the speed of a blinking LED with analog input. Follow this patch to connect a potentiometer to your Arduino board. Then put an the long lead of an LED in pin 13 of your digital in/out, and the short lead in Ground.



int = integer, the value of all numbers will be calculated in whole numbers, no decimals
int variable = value

```
/*
 * AnalogInput
 * by DojoDave <http://www.0j0.org>
 *
 * Turns on and off a light emitting diode(LED) connected to digital
 * pin 13. The amount of time the LED will be on and off depends on
 * the value obtained by analogRead(). In the easiest case we connect
 * a potentiometer to analog pin 2.
 */

int potPin = 2; // select the input pin for the potentiometer
int ledPin = 13; // select the pin for the LED
int val = 0; // variable to store the value coming from the sensor

void setup() {
  pinMode(ledPin, OUTPUT); // declare the ledPin as an OUTPUT
}

void loop() {
  val = analogRead(potPin); // read the value from the sensor
  digitalWrite(ledPin, HIGH); // turn the ledPin on
  delay(val); // stop the program for some time
  digitalWrite(ledPin, LOW); // turn the ledPin off
  delay(val); // stop the program for some time
}
```