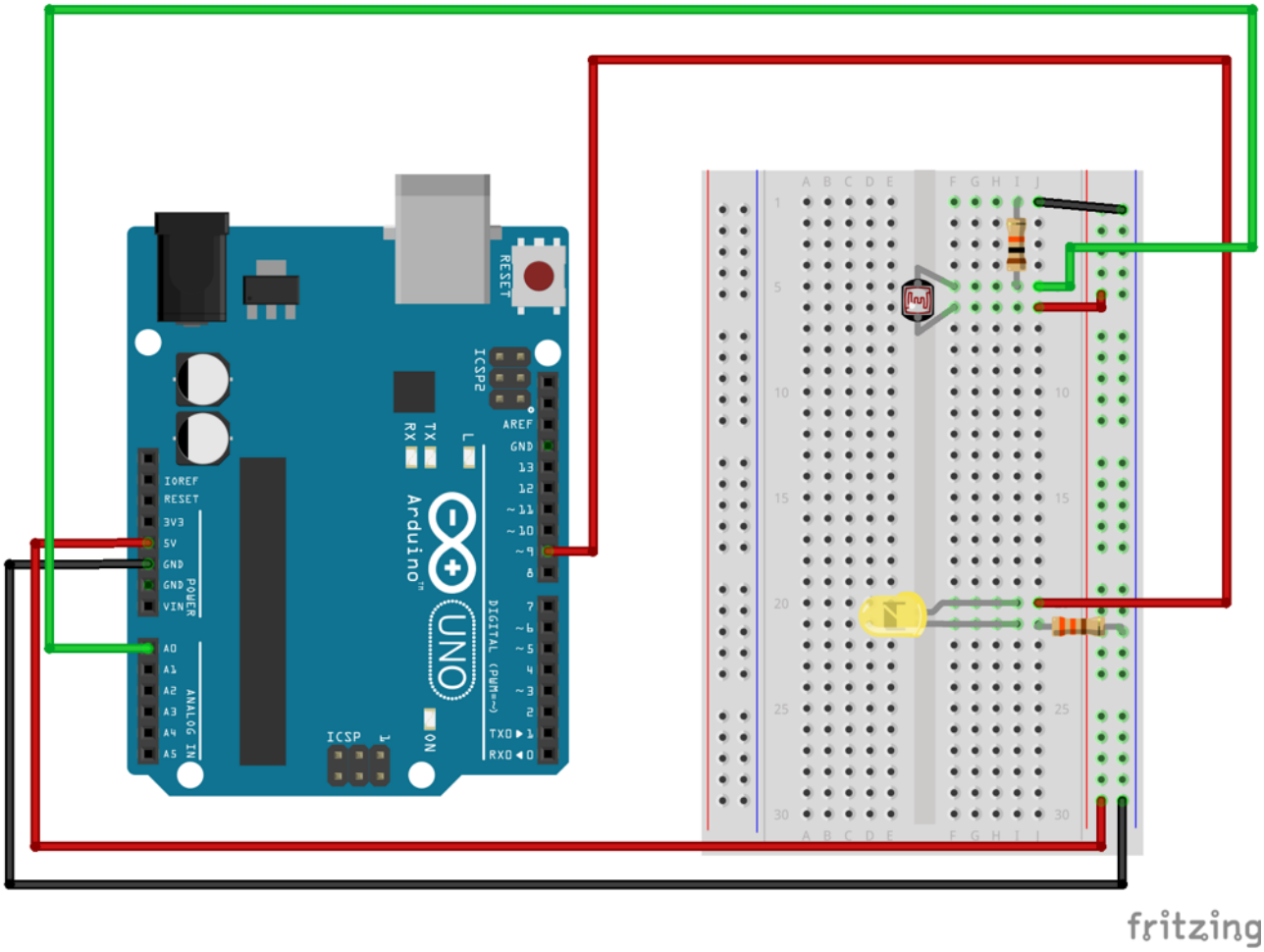
Circuit 2 - Light Sensor & PWM

For this circuit you simply need to make the following connections between the Arduino components.

Notes:

- The resistor for the LED should be 270R
- The resistor for the LDR should be 5K



***Note.**

The LED orientation is super critical, you can find out which side is the correct side my the size of the internal metal plates, or the flat edge on the body of the LED. Look up online which is the **Cathode** and which is **Anode**.

The resistor before the LED here is to limit the current flow, and the resistor for the **LDR** is to create a voltage divider circuit. The changing resistance of the LDR is converted to a changing voltage, such that the Arduino analog input pin can read the varying level.