

Our temperature sensor is called LM35. It is a precision integrated-circuit temperature sensor, whose output voltage is linearly proportional to the Celsius temperature. It measures temperatures from 0°C to 100°C.

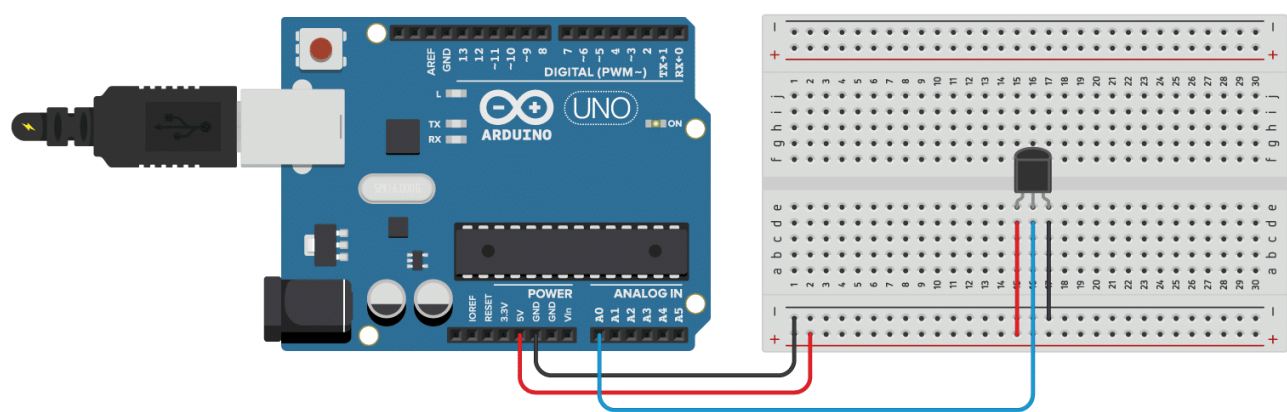
Hardware

- LM35 Temperature Sensor
- Arduino
- Jumper Wires

Circuit

Connect the temperature sensor to the Arduino as shown in the diagram. Here is a table of the connections for your reference:

LM35	Arduino
VCC	5V
GND	GND
OUT	Analog Pin A0



You're free to use any analog pin for the OUT pin, from A0 to A5. Just make sure to update the pin number in the code, as shown below in the `void setup()` function.

```
void setup() {
  initializeTemperatureSensor(A0); // Initialize the temperature sensor
```

```
on analog pin A0  
}
```