Our atmospheric sensor is called DHT11, and it measures temperature and humidity. You can read this data using an Arduino.
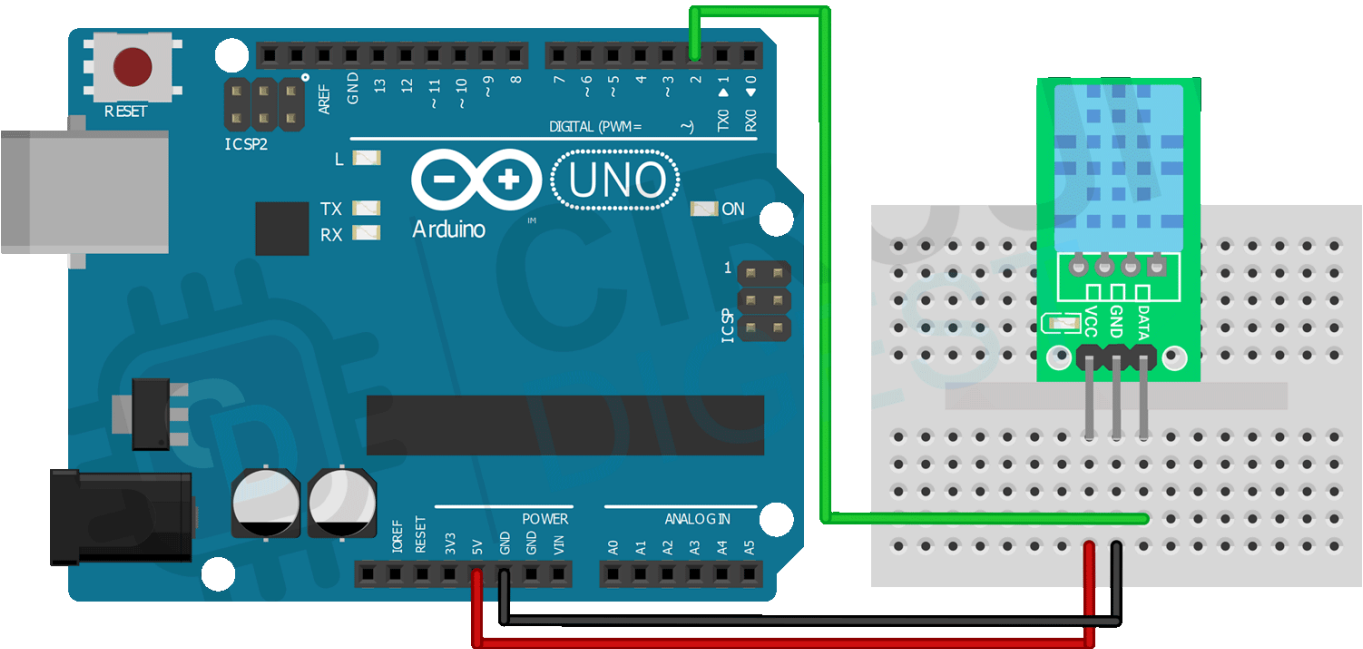
Hardware

- DHT11 Sensor
- Arduino
- Jumper Wires

Circuit

Connect the DHT11 sensor to the Arduino as shown in the diagram. Here is a table of the connections for your reference:

DHT11 Sensor	Arduino
VCC	5V
GND	GND
OUT	Digital Pin 2

You're free to use any digital pin for the OUT pin, from 2 to 12. Just make sure to update the pin number in the code, as shown below in the `void setup()` function.

```
void setup() {
    initializeDHT11Sensor(2);  // Initialize the DHT11 sensor on digital
pin 2
}
```

Make sure to install and include the DHT library in your Arduino IDE. You can find the library at:
https://github.com/adidax/dht11.git

Code to include the library

```
#include <DHT.h>
```