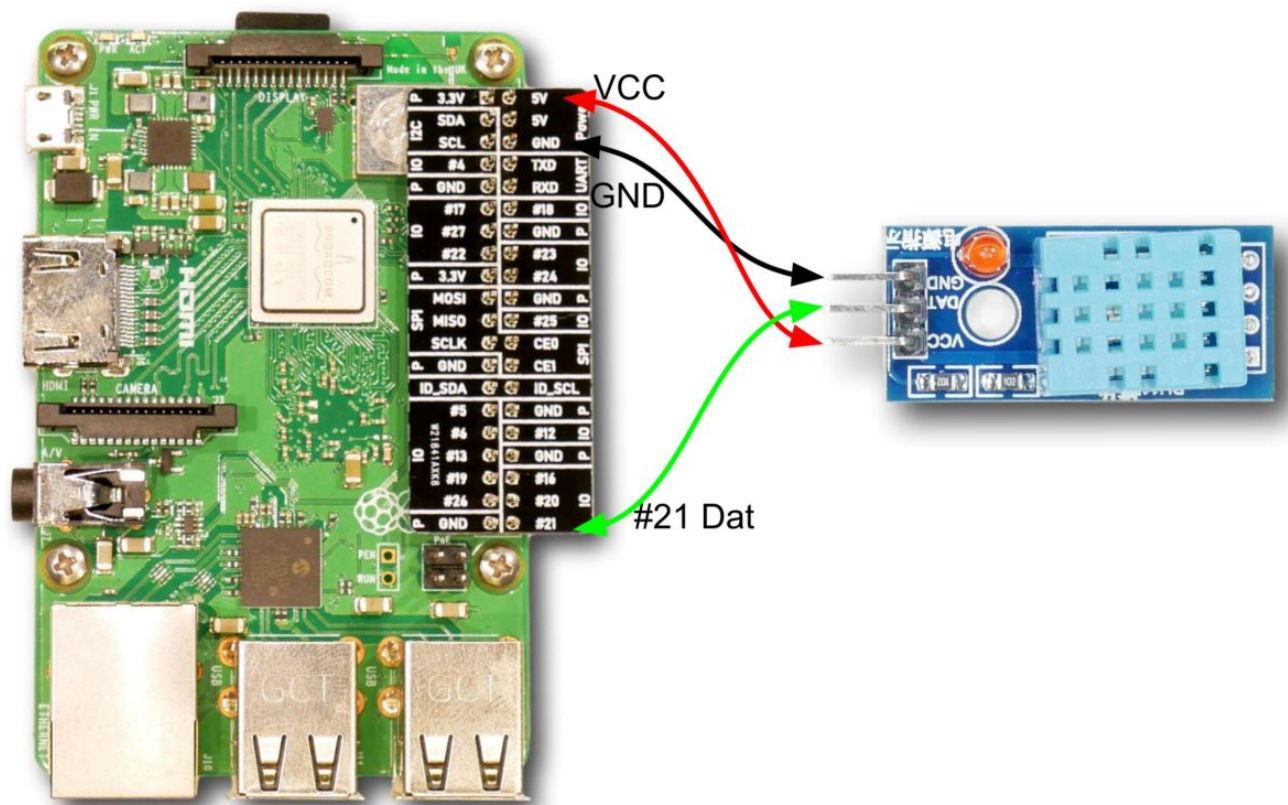



# (Archive) RPi Node-Red: DHT11 Temperature and Humidity Sensor

Please wire up your DHT11 sensor as below:



To be able to use the DHT11 temperature and humidity sensor we will have to install the Node-Red node and the BCM2835 library to support it, the easiest way is explained below.

First open a terminal  window and copy and paste the entire code block and press enter.

```
#install bcm2835 library
cd ~/
curl
http://www.airspayce.com/mikem/bcm2835/bcm2835-1.56.tar.gz >
bcm2835-1.56.tar.gz
```

```
tar zxvf bcm2835-1.56.tar.gz
cd bcm2835-1.56
./configure
make
sudo make check
sudo make install
```

```
#install node
cd ~/
sudo npm install --unsafe-perm -g node-dht-sensor
sudo npm install --unsafe-perm -g node-red-contrib-dht-sensor
```

After the commands finish running press enter again to make sure the last one has been run.

Restart your raspberry pi, start Node-Red and search for “dht” you should find a node called “rpi dht22” this indicates that the node has been installed correctly.

The node must be setup as in the below image – make sure you select **DHT11**

## Edit rpi-dht22 node

Delete

Cancel

Done

### ▼ node properties

☰ Topic

rpi-dht22

☰ Sensor  
model

DHT11 ▼

☰ Pin  
numbering

BCM GPIO ▼

☰ Pin number

21 ▼

🔑 Name

Name