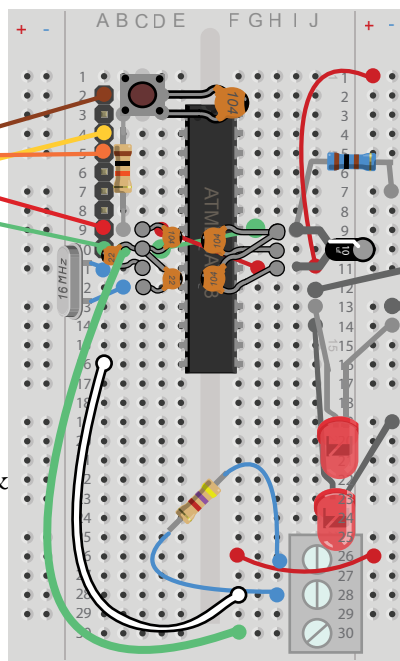


# Connect a jumper wire (white) from A16 to H28: this is our digital read wire connected to DIGITAL 8 on the arduino chip pins  
 # Connect a jumper wire F26 to the red (+ve) rail to power it  
 # Add a 'pull-up' 10K resistor between H28 & H26  
 # Connect a jumper wire F30 directly to ground (-ve) on B10 to stop LEDs affecting readings



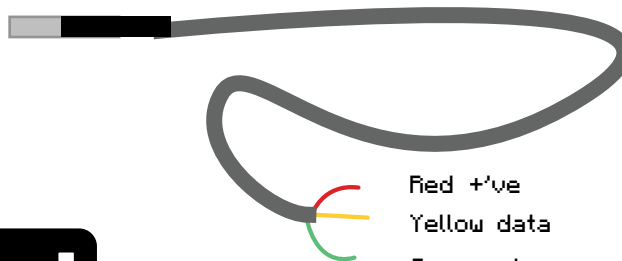
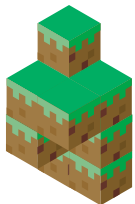
3pin Screw connector Block x1



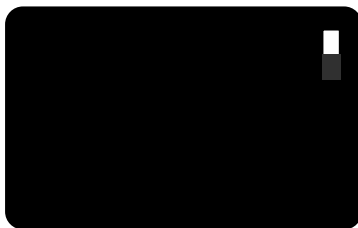
4.7KOhm Resistor x1



Jumper wires x3



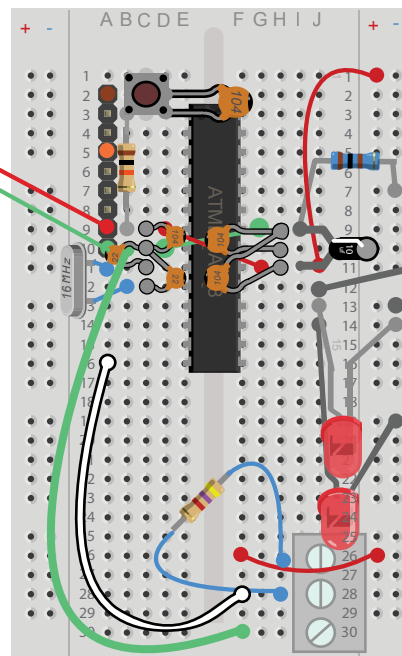
DS18B20 Waterproof Temperature sensor x1



2 x AAA Battery Holder (4.5V)

#Now use the USB connector to upload the WalneyTemperatureListener.ino to the arduino. Use Arduino UNO as the board type and the serial port will be something like tty.SLAB\_USBtoUART or COM0 etc

#Then to go wild and launch your sensor you need to disconnect your USB connector and hook up your battery pack: insert the red wire (+ve) into A9 and the green wire (-ve) into A10. Once connected we can stick the pack to the underside of the breadboard and seal within the bag the components came in with the temperature tail sticking out!



Red +ve  
 Yellow data  
 Green -ve