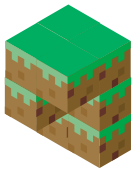
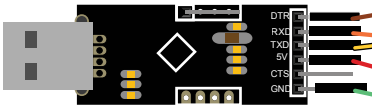
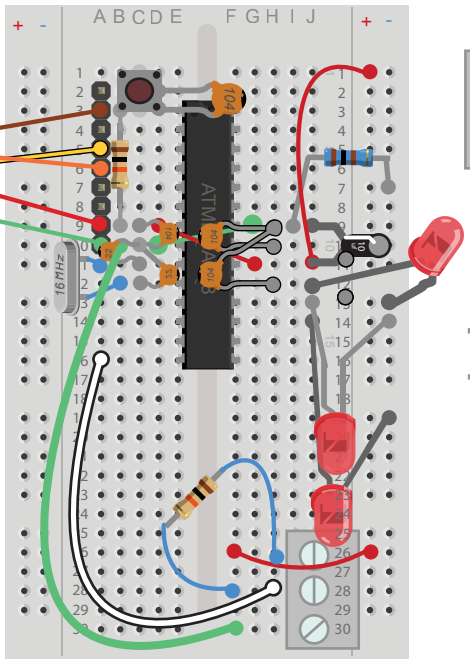
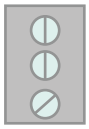






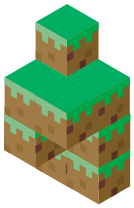


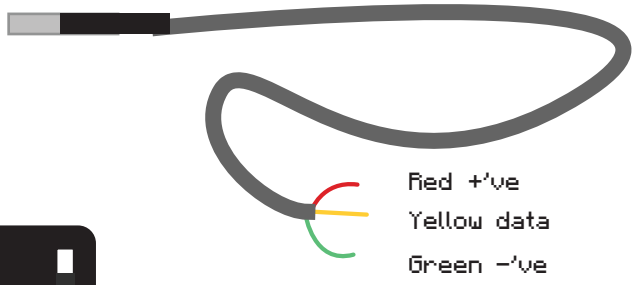
3pin Screw connector Block x1

10KOhm Resistor x1

Jumper wire x2

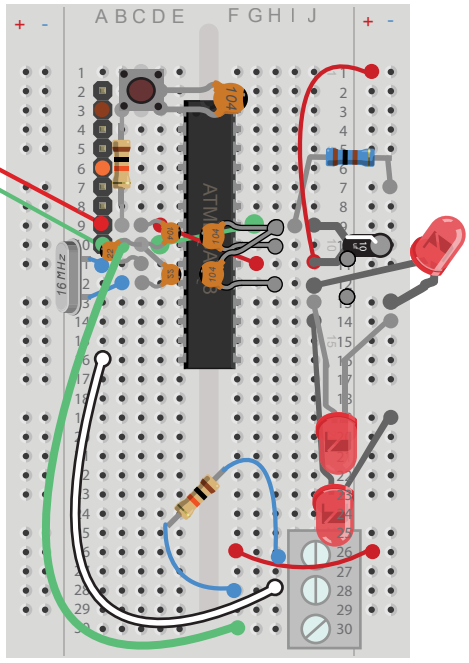
Connect a jumper wire (white) from B16 to H28: this is our digital read wire connected to DIGITAL 8 on the arduino chip pins
Connect a jumper wire F26 to the red (+'ve) rail to power it
Add a 'pull-up' 10K resistor between F28 & H26
Connect a jumper wire F30 directly to ground (-'ve) on B10 to stop LEDs affecting readings





DS1820B 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

#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!h