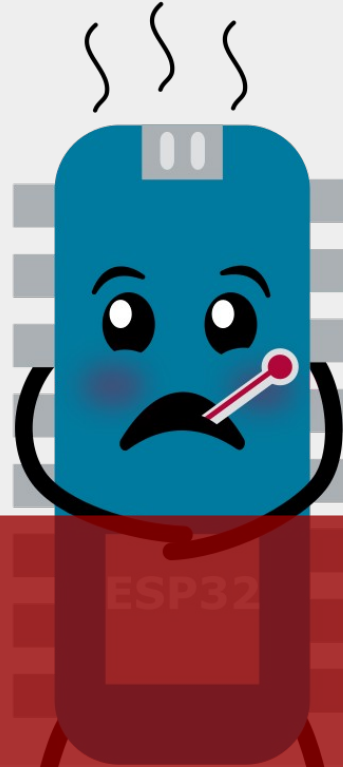


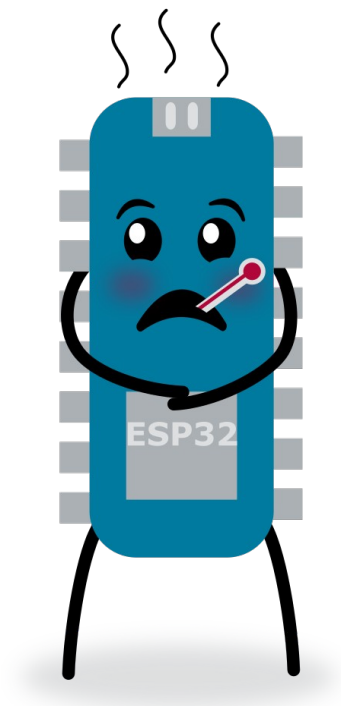


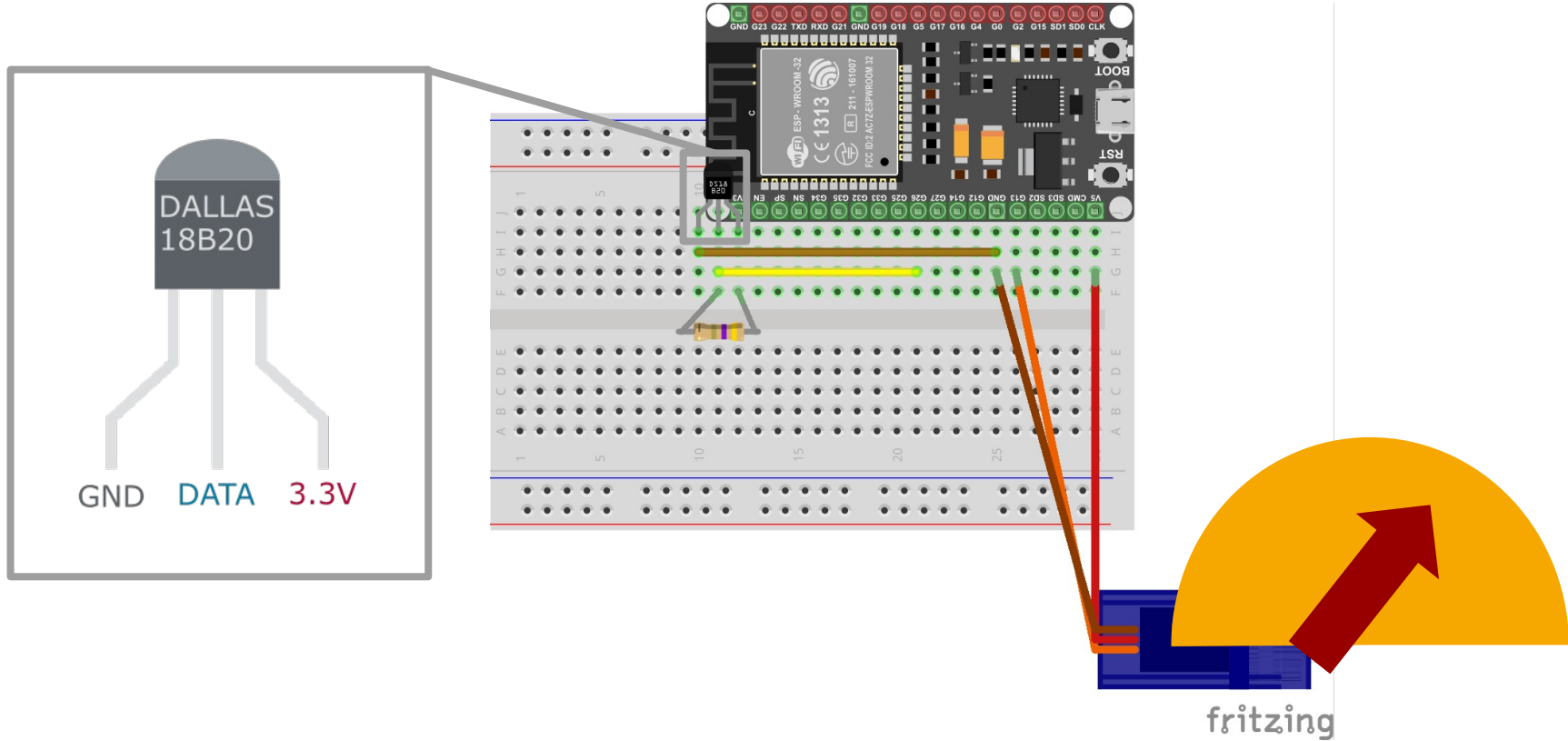
Thermometer

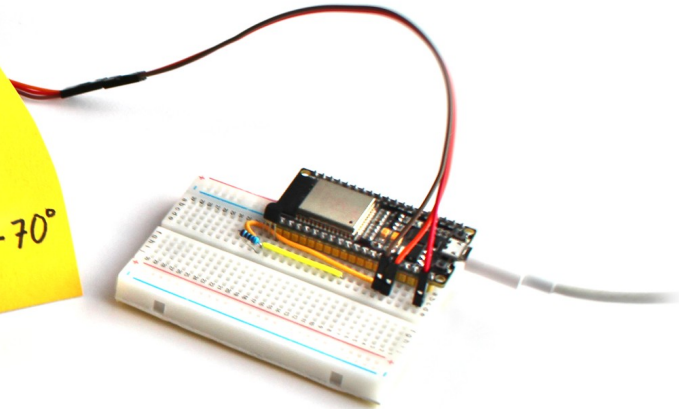
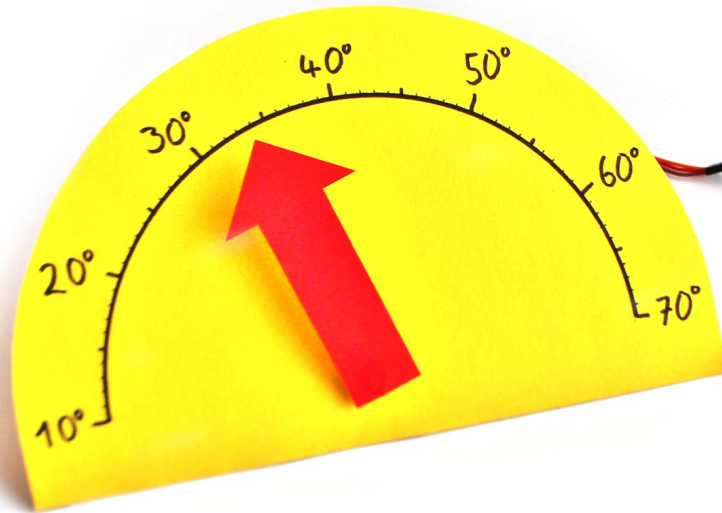
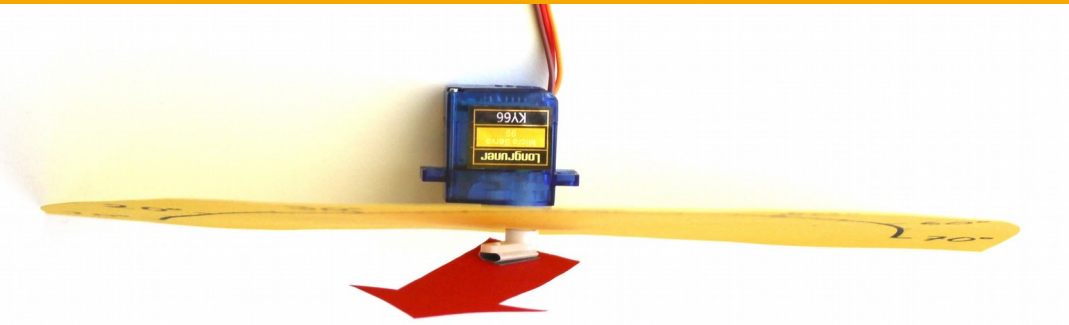
Woche 2 | Lektion 2

Materialliste:

- ESP32 Mikrocontroller
- Steckplatine
- ca. 5k Ω Widerstand
- Temperatursensor DS18B20
- 2 Steckbrücken
- 3 Jumperkabel
- Servomotor
- Tonpapier
- Filzer
- beidseitiges Klebeband







- OneWire.h
- DallasTemperature.h

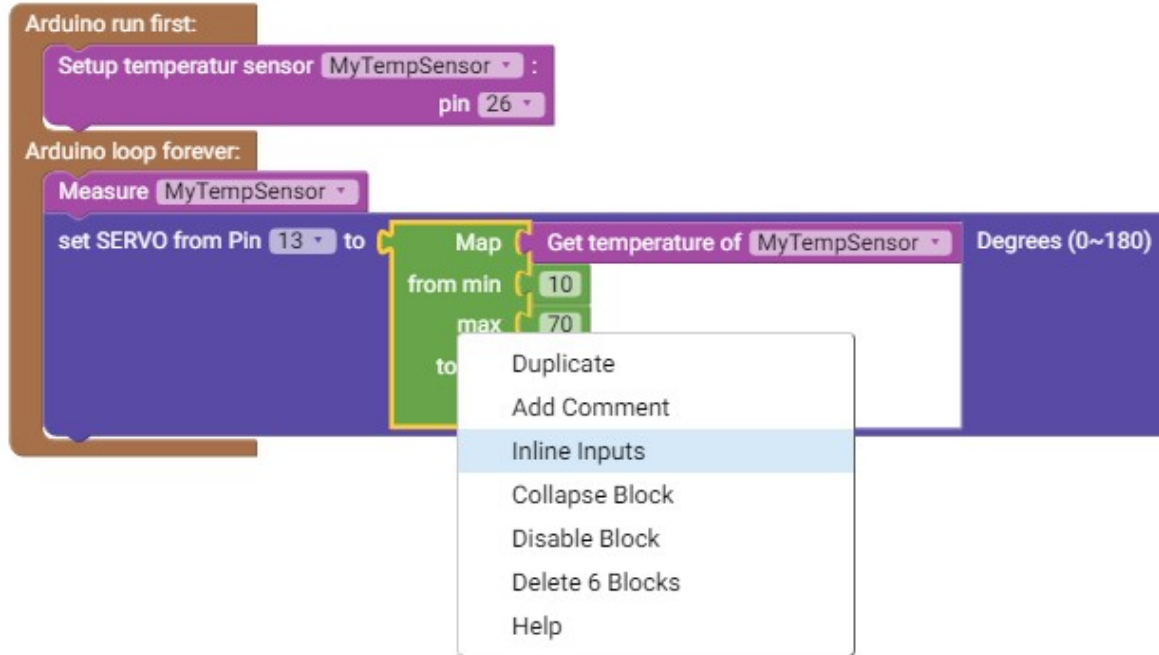


Arduino run first:

Setup temperatur sensor **MyTempSensor** :
pin **26**

Arduino loop forever:

Measure **MyTempSensor**
set SERVO from Pin **13** to **Map** **Get temperature of MyTempSensor** Degrees (0~180)
from min **10**
max **70**
to min **0**
max **180**



Arduino run first:

Setup temperatur sensor MyTempSensor :
pin 26

Arduino loop forever:

Measure MyTempSensor
set SERVO from Pin 13 to Map Get temperature of MyTempSensor from min 10 max 70 to min 0 max 180 Degrees (0~180)

- Falscher Widerstand
- Falsch gesteckter Temperatursensor wird sehr heiß!
- Servo braucht 5V

