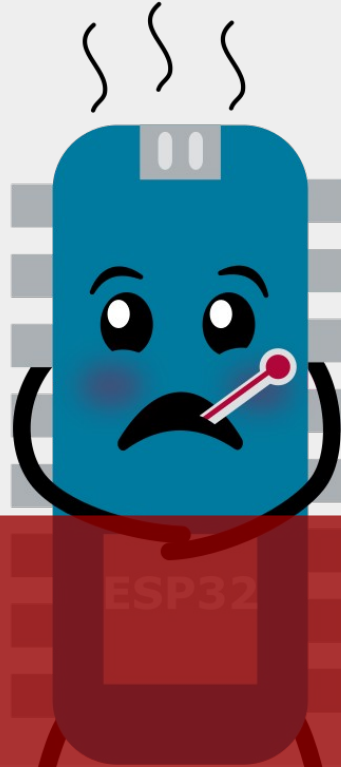


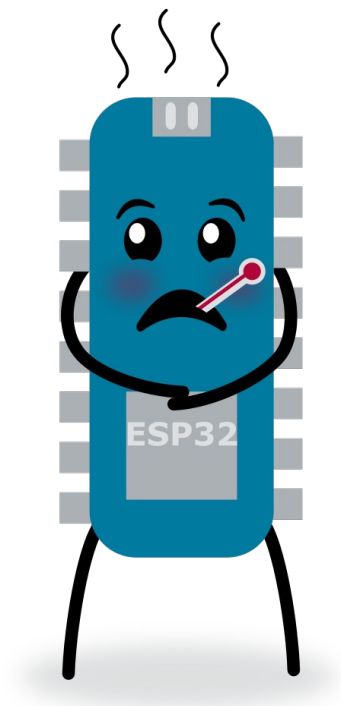


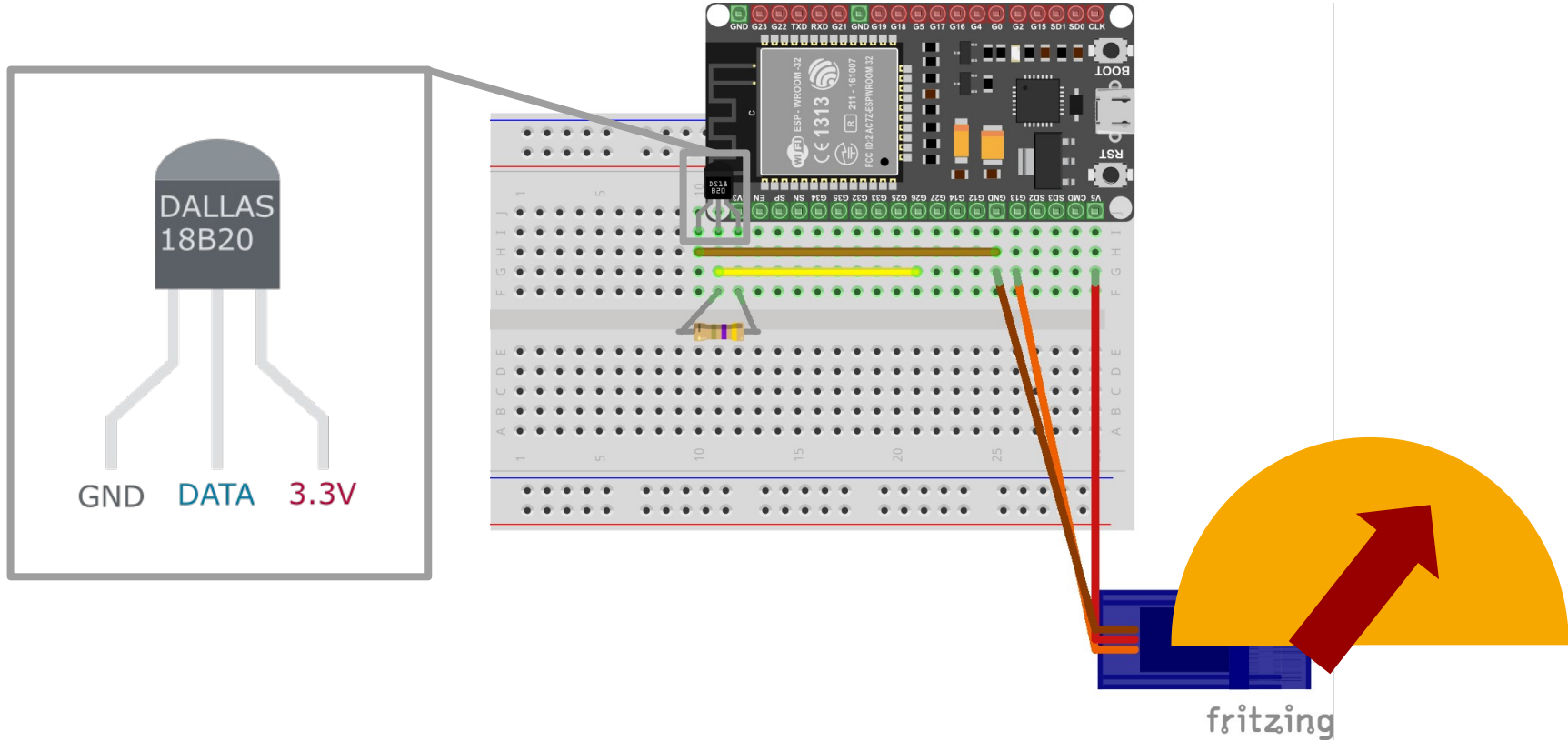
Thermometer

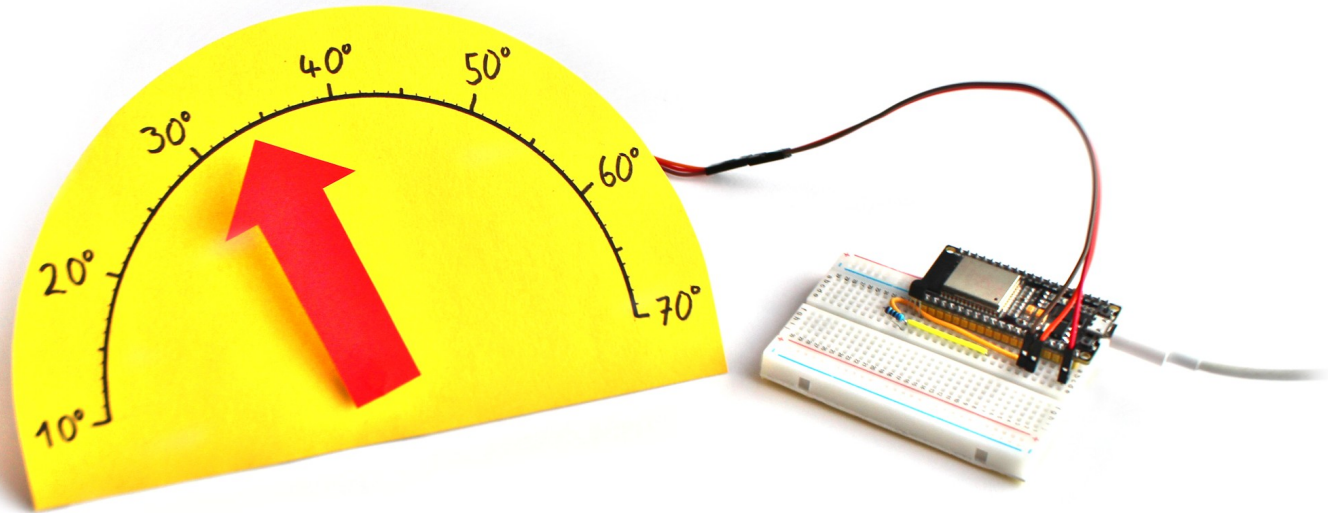
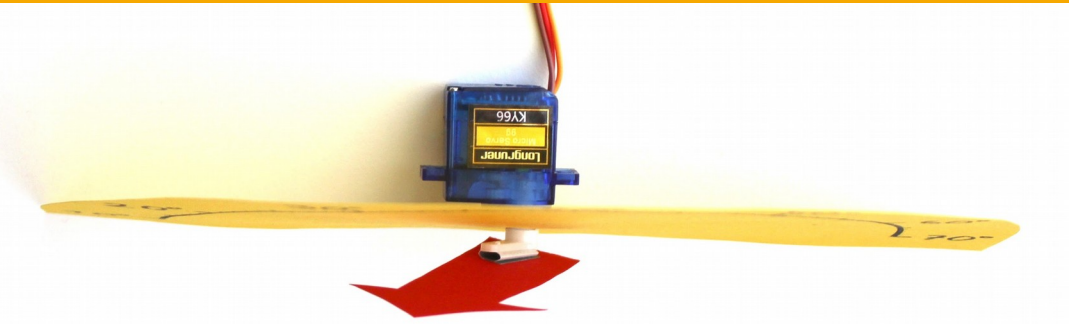
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Material list:

- ESP32 microcontroller
- plug-in board
- approx. 5k Ω Resistance
- Temperature sensor
DS18B20
- 2 jumpers
- 3 Jumper cable
- servomotor
- clay paper
- felters
- double-sided adhesive tape







- OneWire.h
- DallasTemperature.h



Arduino run first:

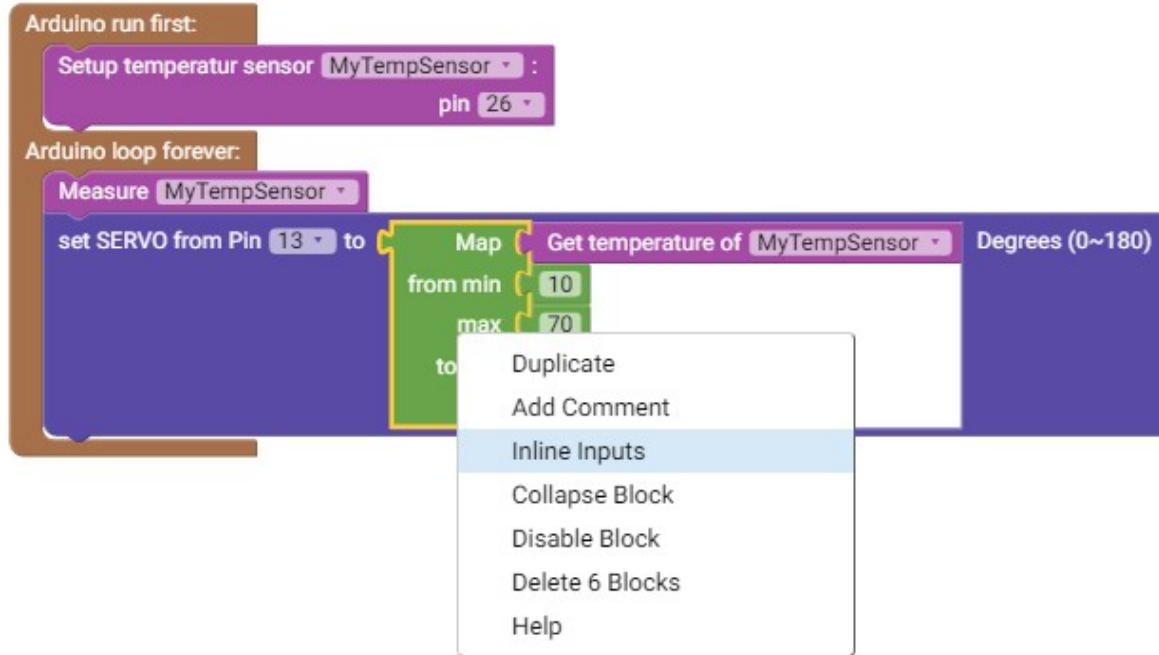
Setup temperatur sensor MyTempSensor :
pin 26

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)

- Wrong resistance
- Incorrectly inserted temperature sensor gets very hot!
- Servo needs 5V

