

**Hey!**





**GAME  
SCIENCE  
CENTER**



# Pfeffermind



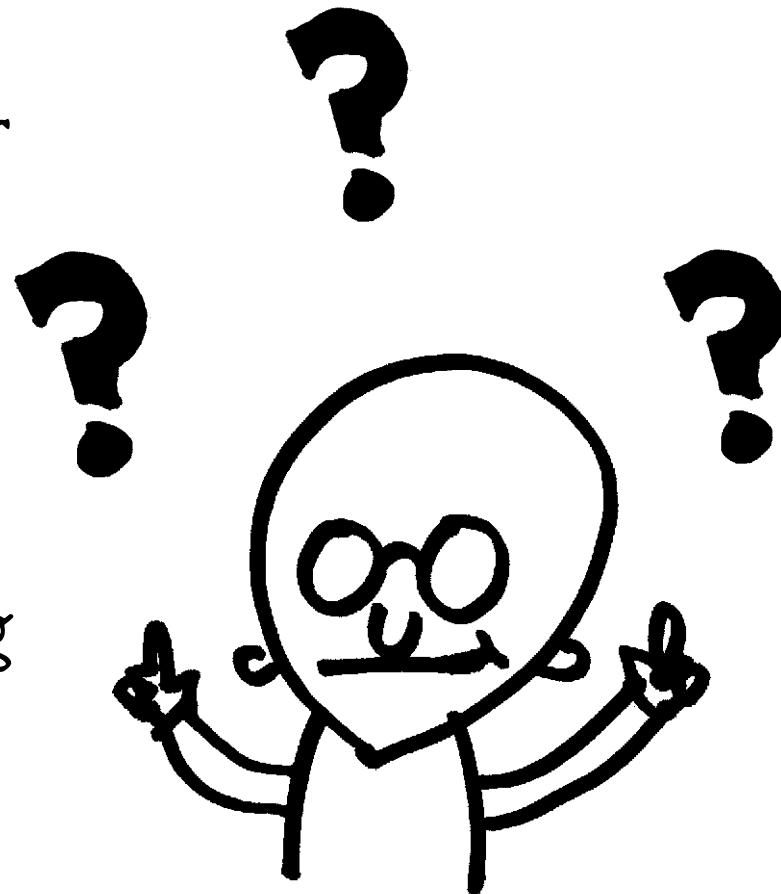
MISSION  
ACCEPTED

# Elektro elektro elektro

Computer

Spiel-  
konsolen

Spielzeug



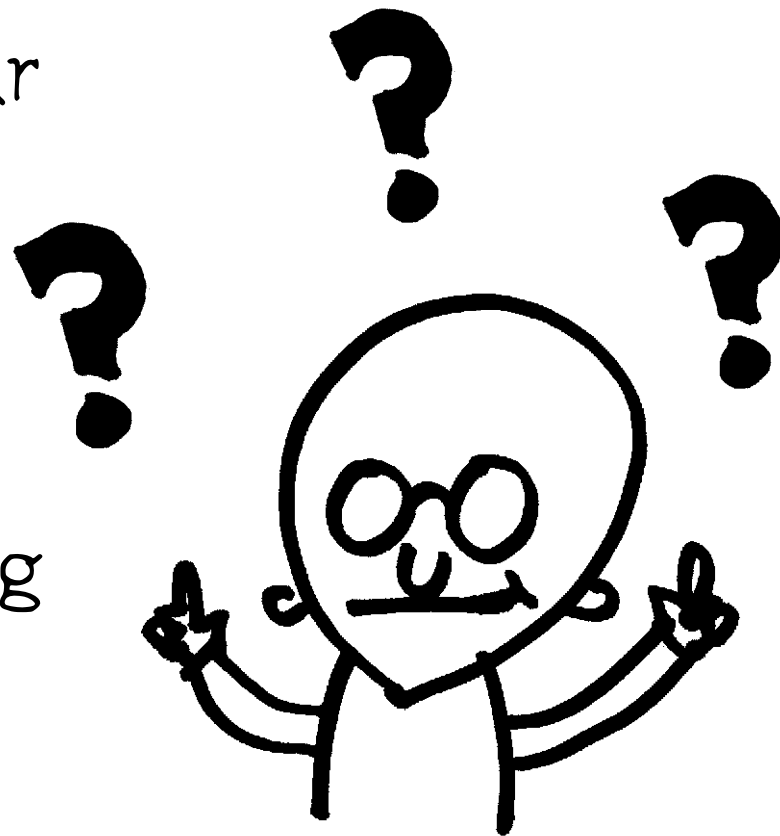
# Elektro elektro elektro

Smartphones

Computer

Spiel-  
konsolen

Spielzeug



# Elektro elektro elektro

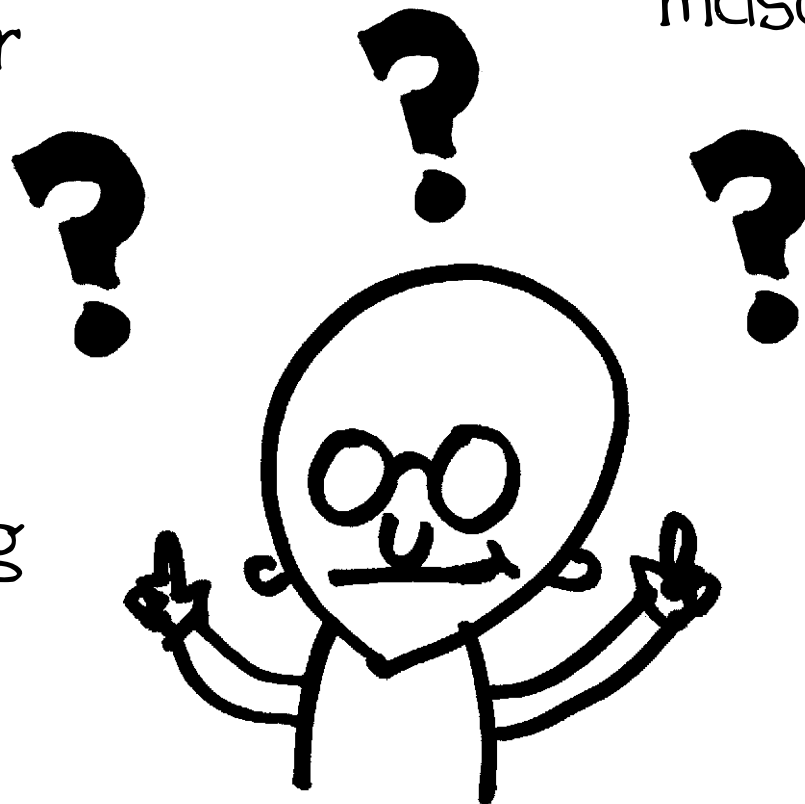
Smartphones

Smart-Wasch-  
maschinen

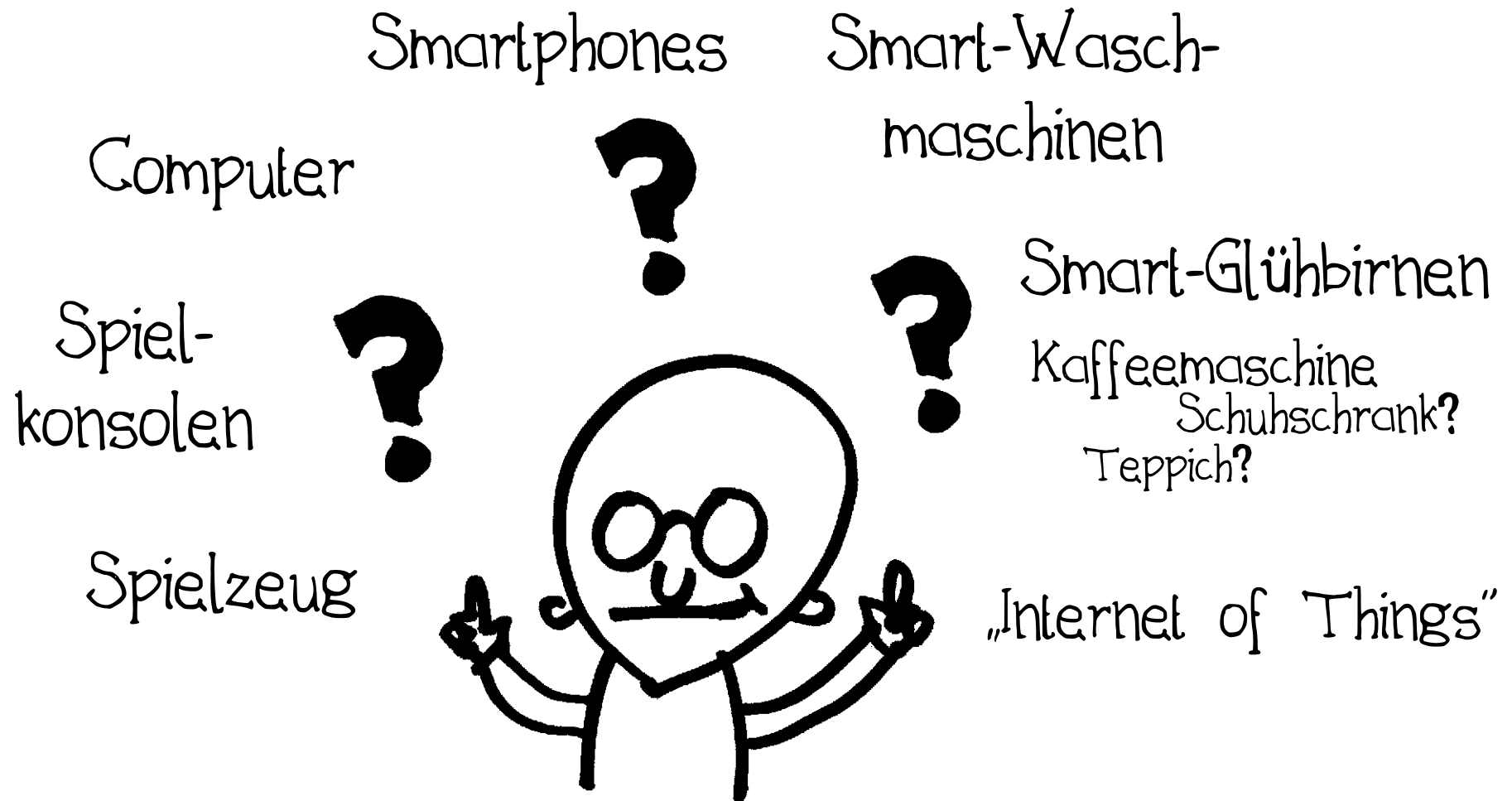
Computer

Spiel-  
konsolen

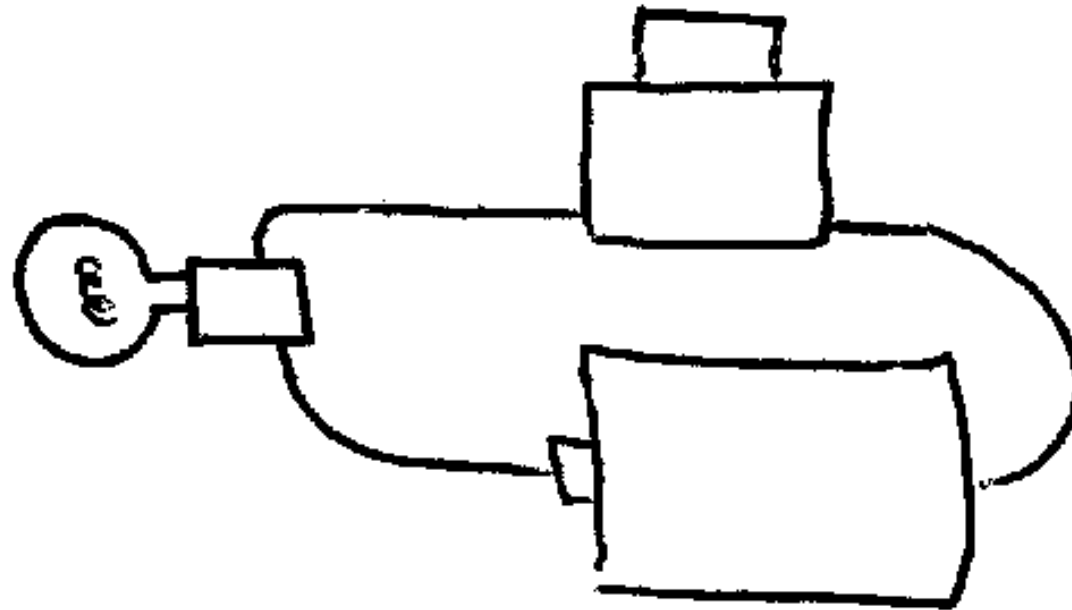
Spielzeug



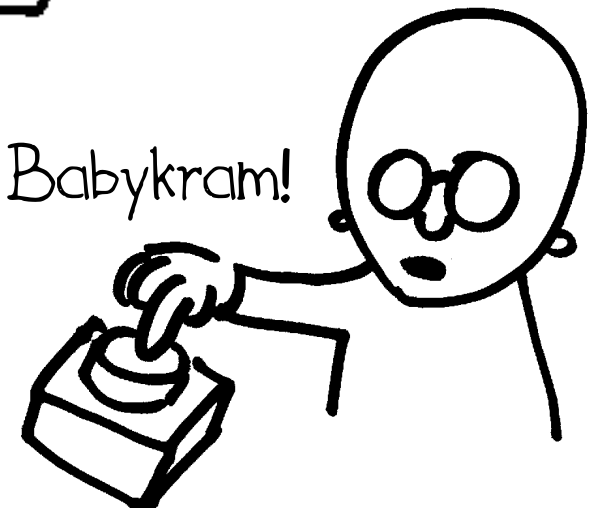
# Elektro elektro elektro



# Der Stromkreis

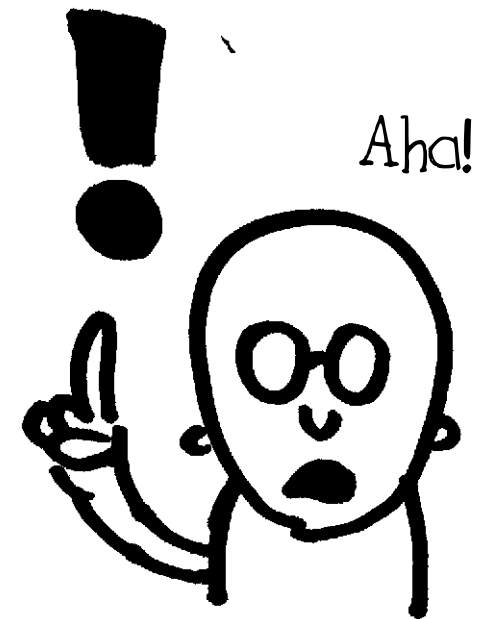
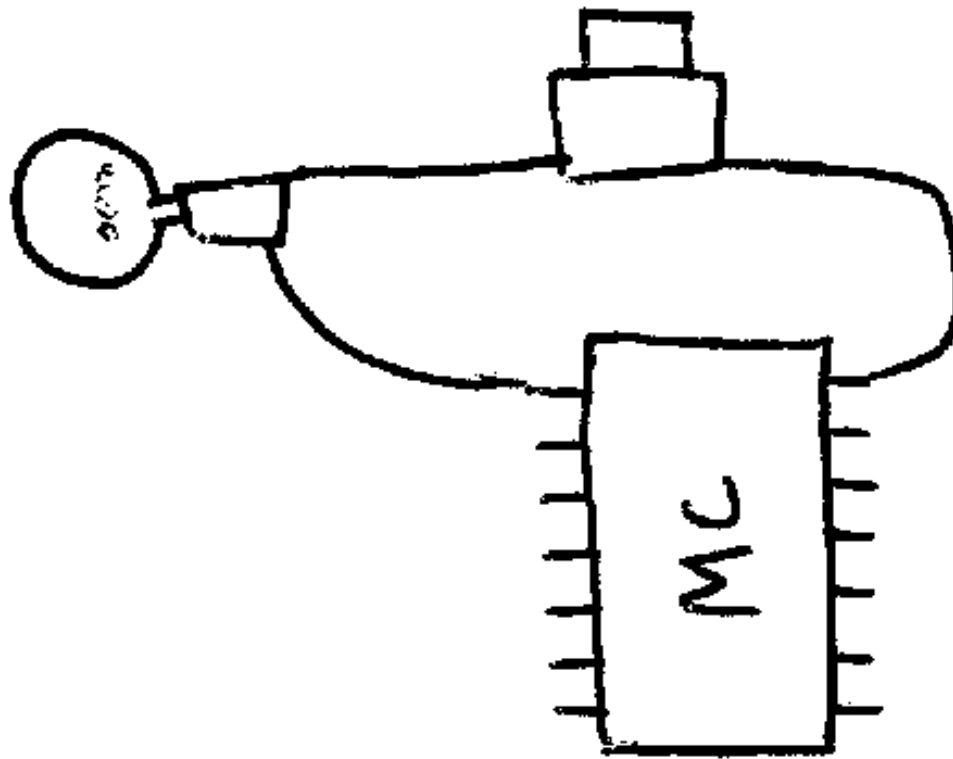


Pfft, Babykram!

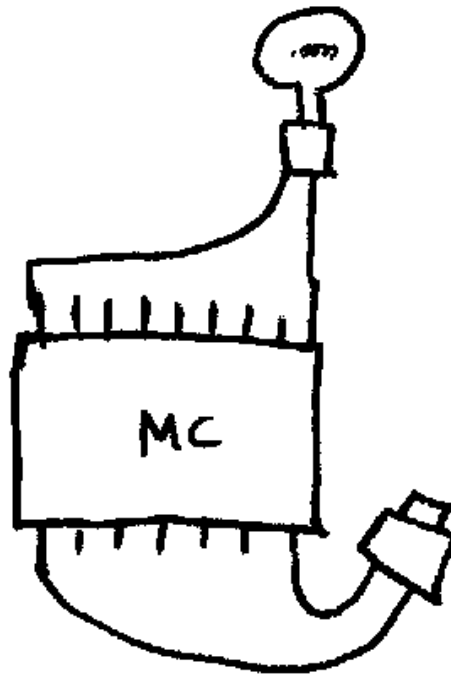




# Microcontroller

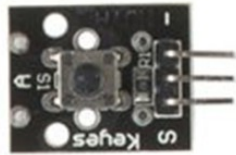


# Microcontroller

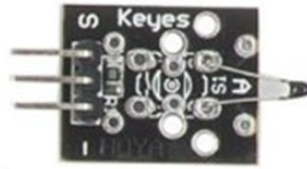


Die Komponenten werden  
getrennt angesteuert!

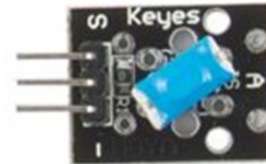
# Inputs



Push button



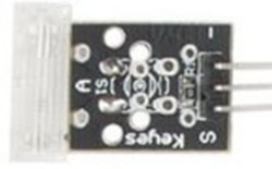
Analog-temperature sensor



Tilt-Switch



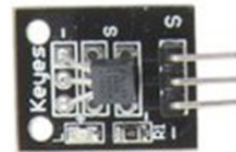
Light break sensor



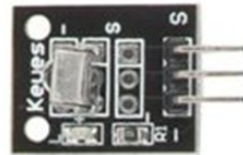
Knock sensor



Rotate-encode



18B20 Temperature Sensor



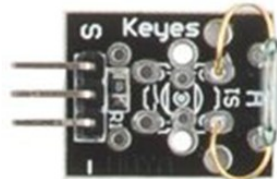
Infrared-receiver



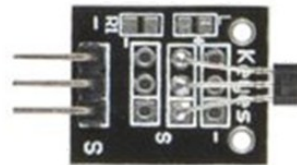
Hydrargyrum-switch sensor



Infrared-transmit

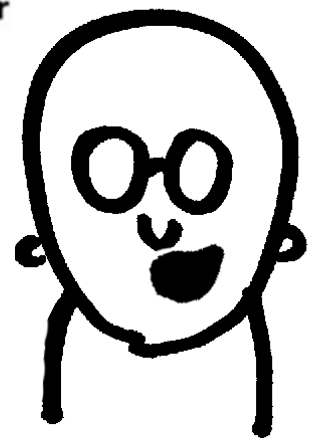


Magnet-ring sensor

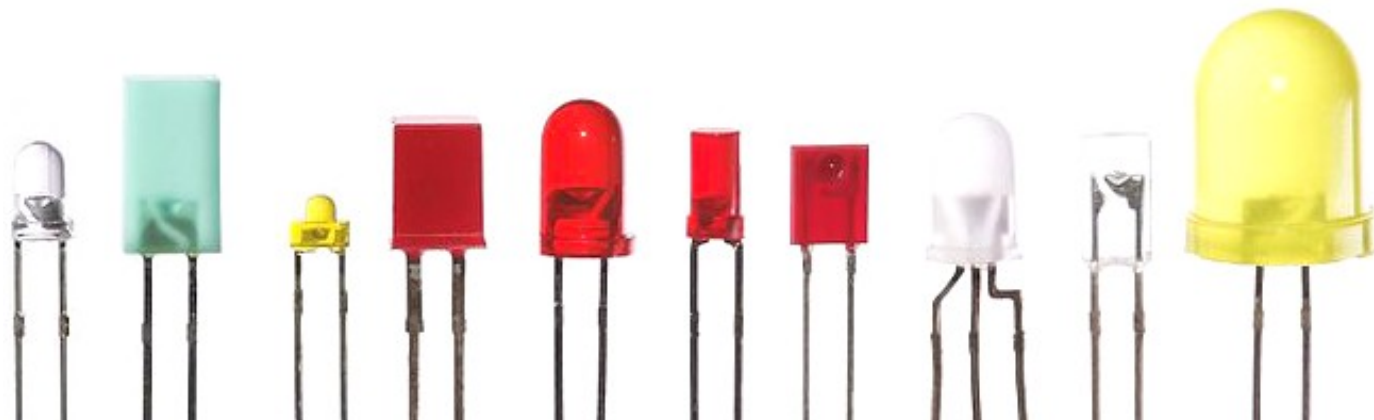
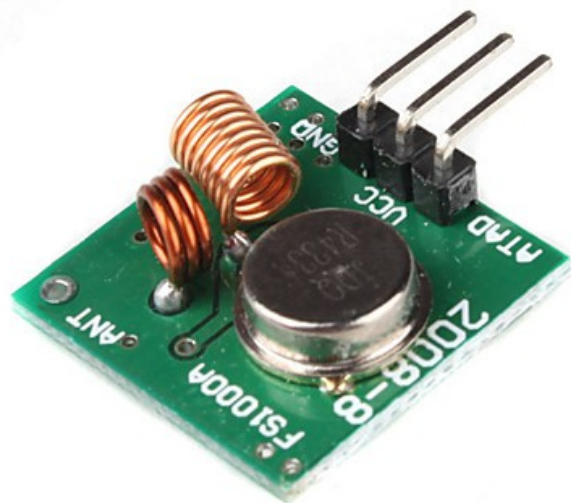
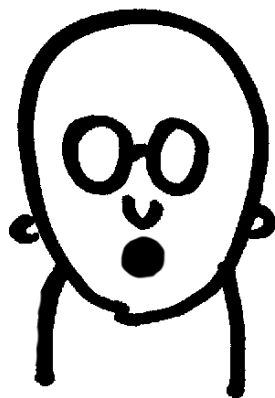
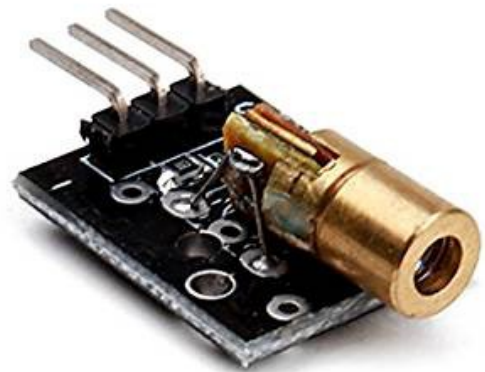


Hall sensor

Sensoren

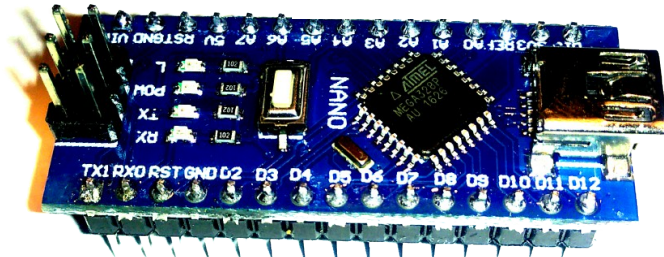


# outputs



Arduino Nano

LEDs  
A1 - A4

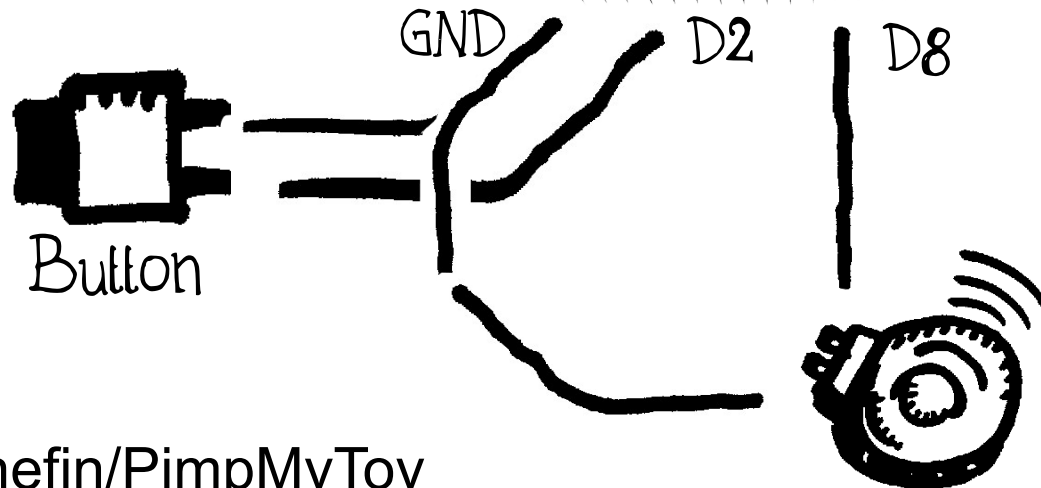
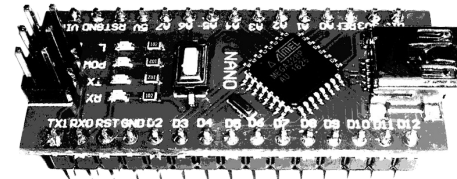
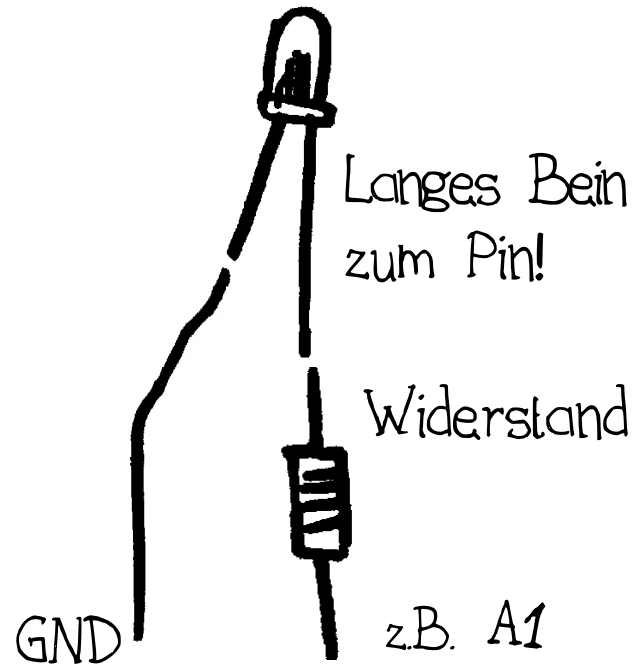


D2 - D6  
BUTTONS

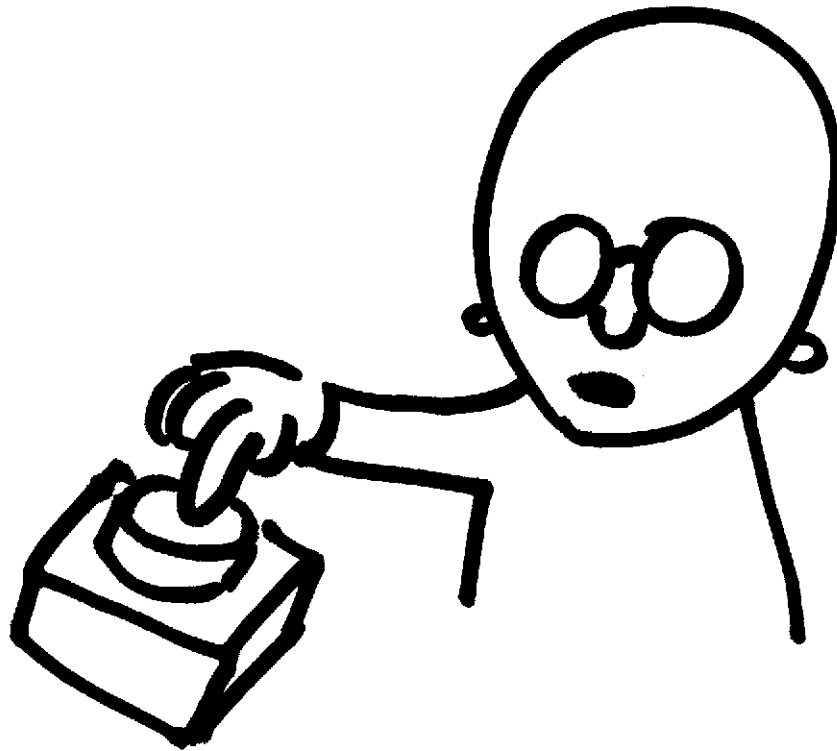
D8 - D12  
SOUNDS

I/O-PAARE  
D2-D8  
D3-D9  
D4-D10  
D5-D11  
D6-D12

LED

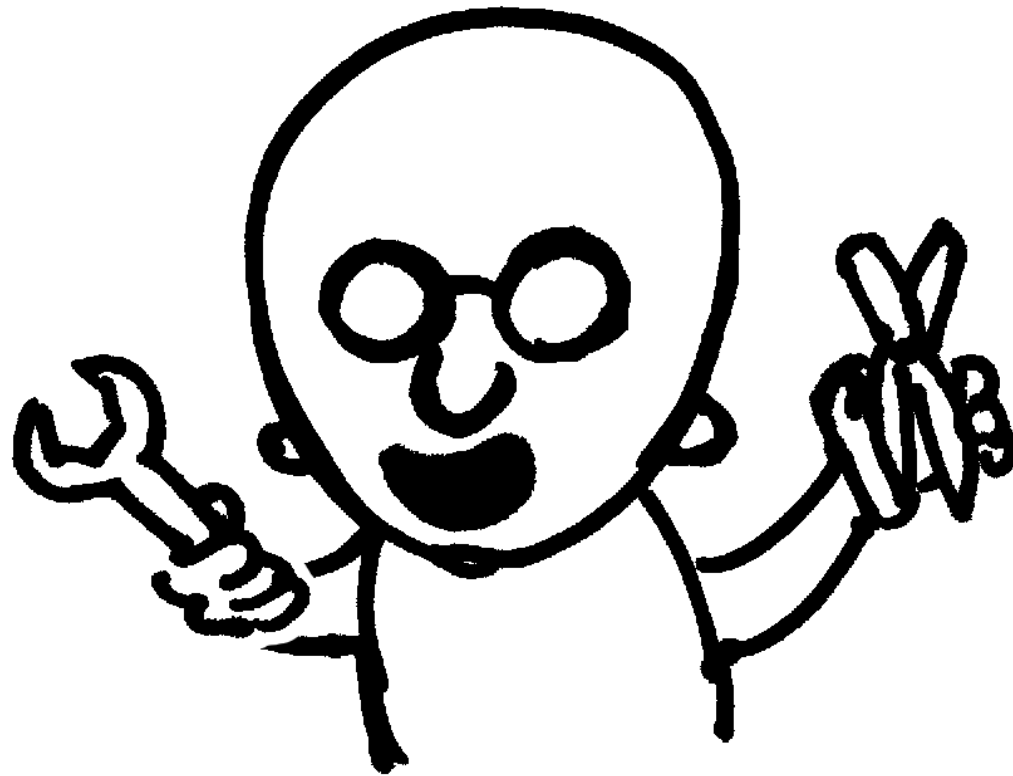


# Button



Tastsensor

# Marke: Eigenbau



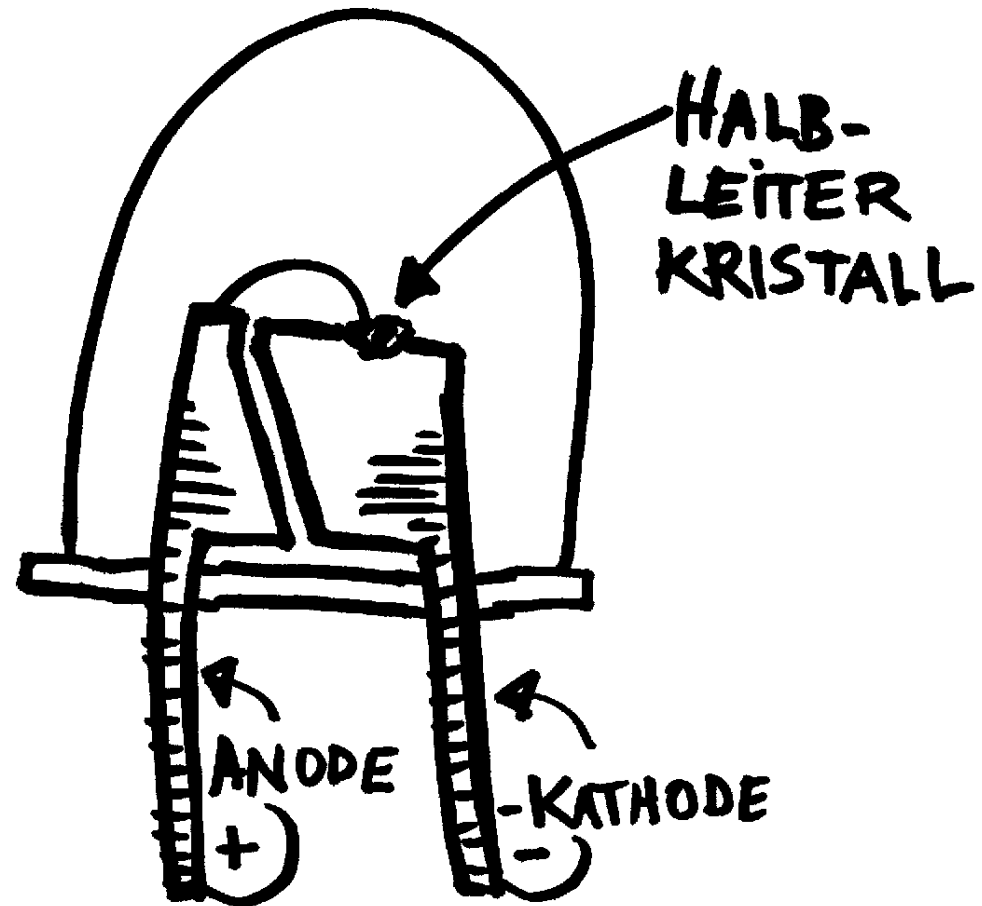
# Lautsprecher



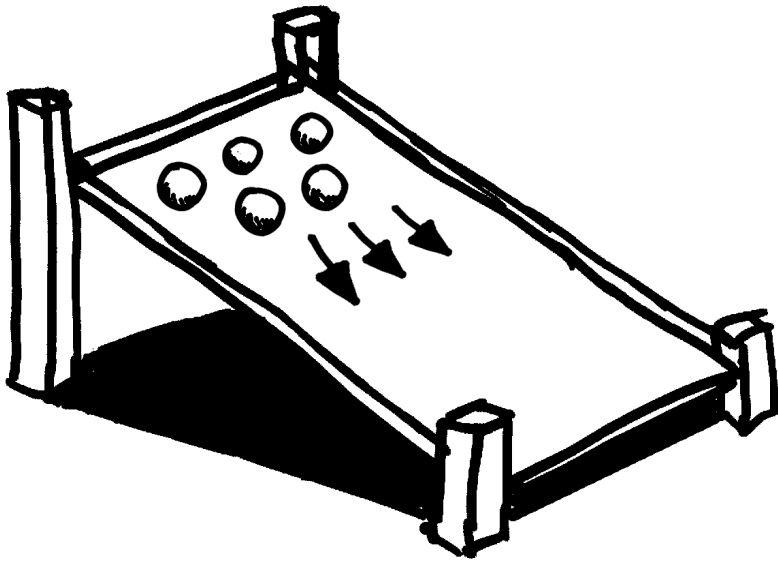
bzzzzzt



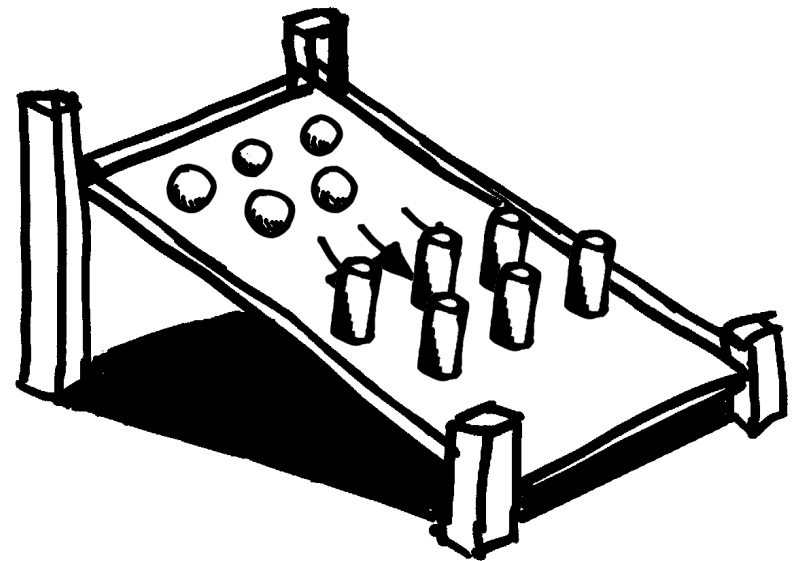
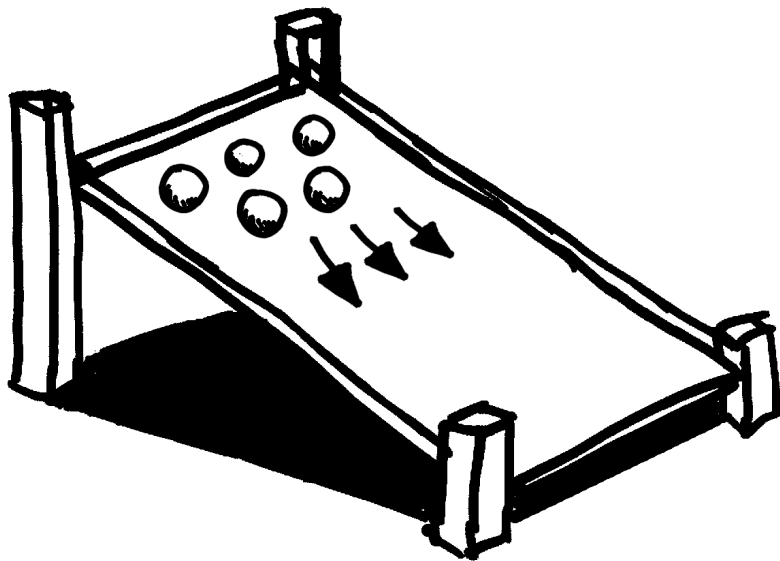
# LED



# Widerstand



# Widerstand



**LOS GEHT'S!**

