# Can l explain what parts make up a digital device?



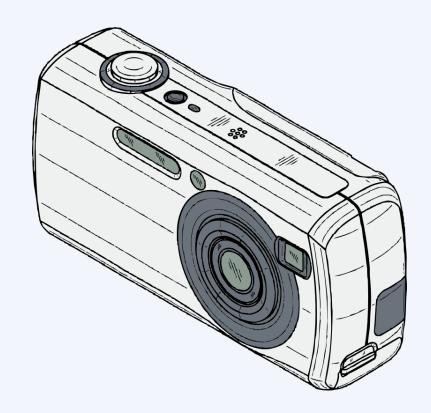
# Lesson 2: What parts make up a digital device?

## To identify input and output devices

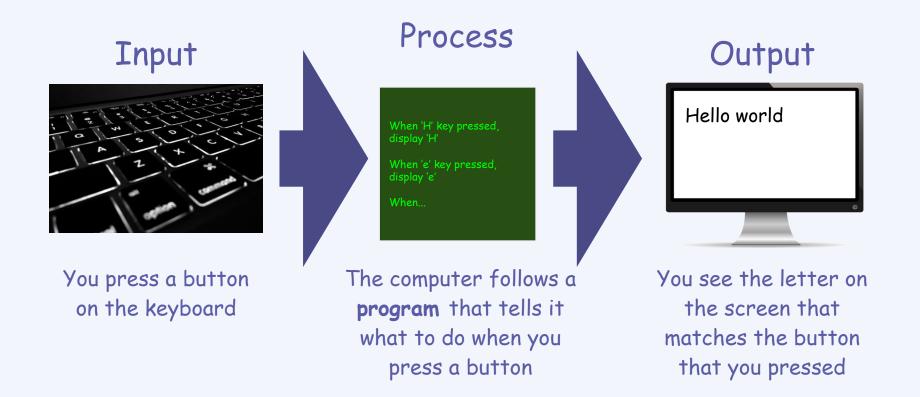
- I can classify input and output devices
- I can describe a simple process
- I can design a digital device

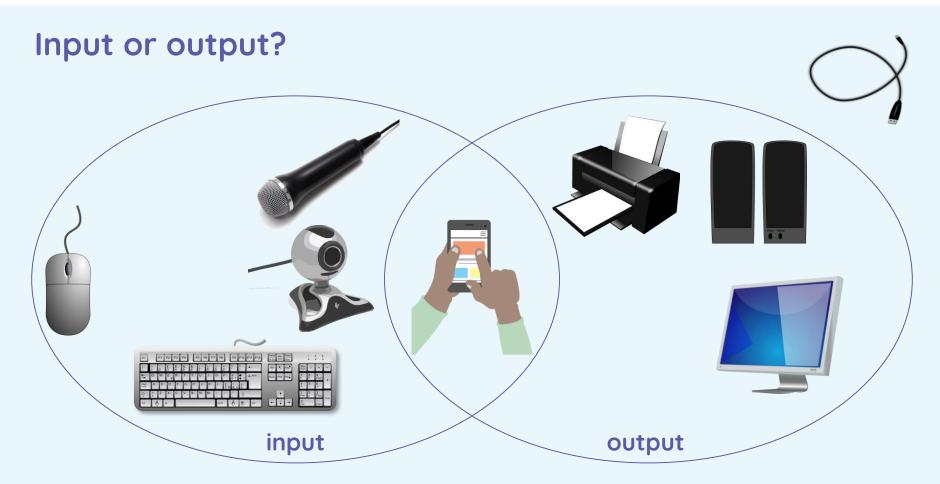
# What have you learnt?

- What is this digital device?
- What does it do?
- What is the input?
- What is the process?
- What is the output?



# Digital devices must have an input, a process, and an output

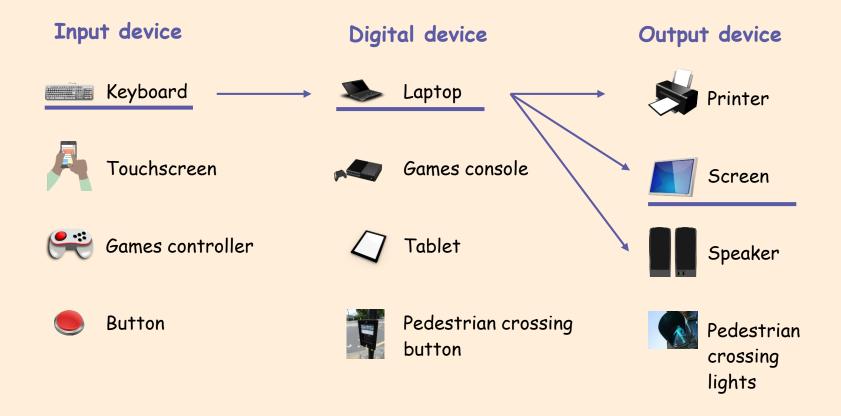




# Input or output?



# Device inputs and outputs



# Design a digital device

Can you design a machine that uses inputs and produces an output?

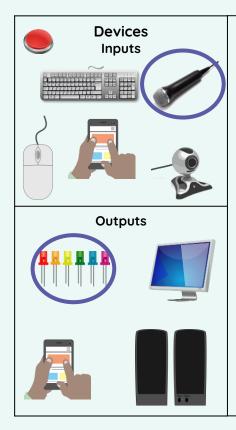
Can you describe how its processing works?

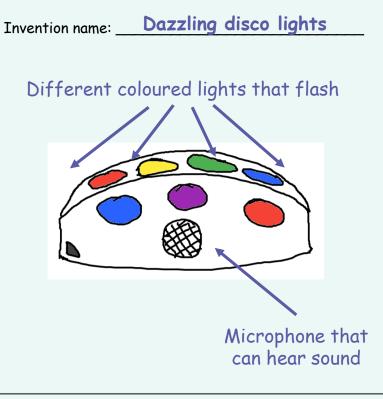
### Some ideas

### A device that:

- Makes lights flash to music
- Tells jokes
- Takes a picture and changes it
- Records a voice and changes it
- Makes music

# Design a digital device





### **Process**

Music from the disco goes into the microphone.

The device measures how loud the music is.

The louder the music, the brighter the lights glow.

# Plenary

"Yesterday evening, I got home from school and turned on the TV to watch a programme on a streaming service. There wasn't much on, so I played on my games console instead. I was tired after I finished my homework on my laptop, so I went to bed, not forgetting to set the alarm on my smart speaker. I woke up this morning and listened to some music from my morning playlist. I got to school just in time, because the satnav in the car found the quickest route."

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# How confident are you? (1-3)

- I can classify input and output devices
- I can describe a simple process
- I can design a digital device

3 - Very confident



2 - Unsure



1 - Not confident

# Next lesson

In this lesson, you...

Looked at devices with different inputs and outputs and designed your own digital device

Next lesson, you will...

Compare using a digital tool with using a non-digital tool