Lesson 2

Digital Devices in KS1

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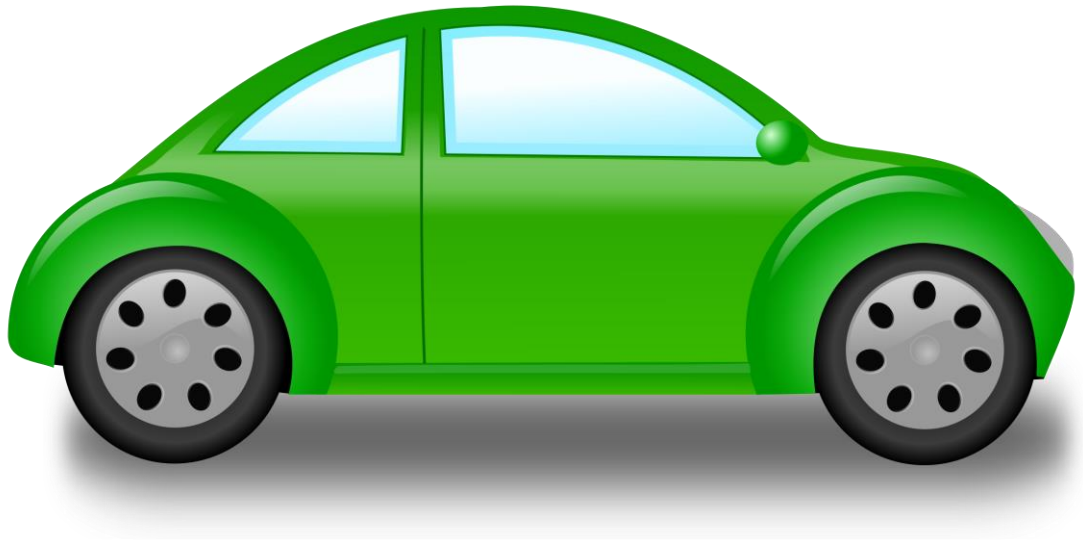
True or False

A car is a type of technology?



Technology is any item made by people to help us

TRUE

FALSE

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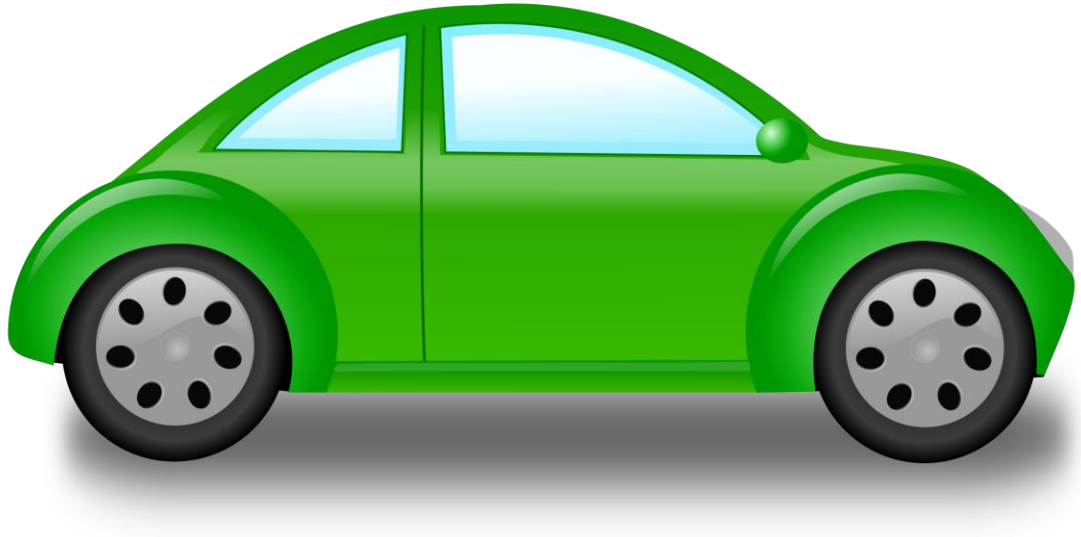
True or False

A car is a type of technology?



Technology is any item made by people to help us

TRUE

FALSE

True or False

A carrot is a type of technology?

Technology is any item made by people to help us

TRUE

FALSE

True or False

A carrot is a type of technology?

Technology is any item made by people to help us

TRUE

FALSE

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What are instructions?

Instructions tell us what to do

Instruction in school
• How to come into school • How to tidy up Can you think of any more?

What are instructions?

Instructions tell us what to do

Instructions at home
• How to brush your teeth • How to put your clothes on Can you think of any more?

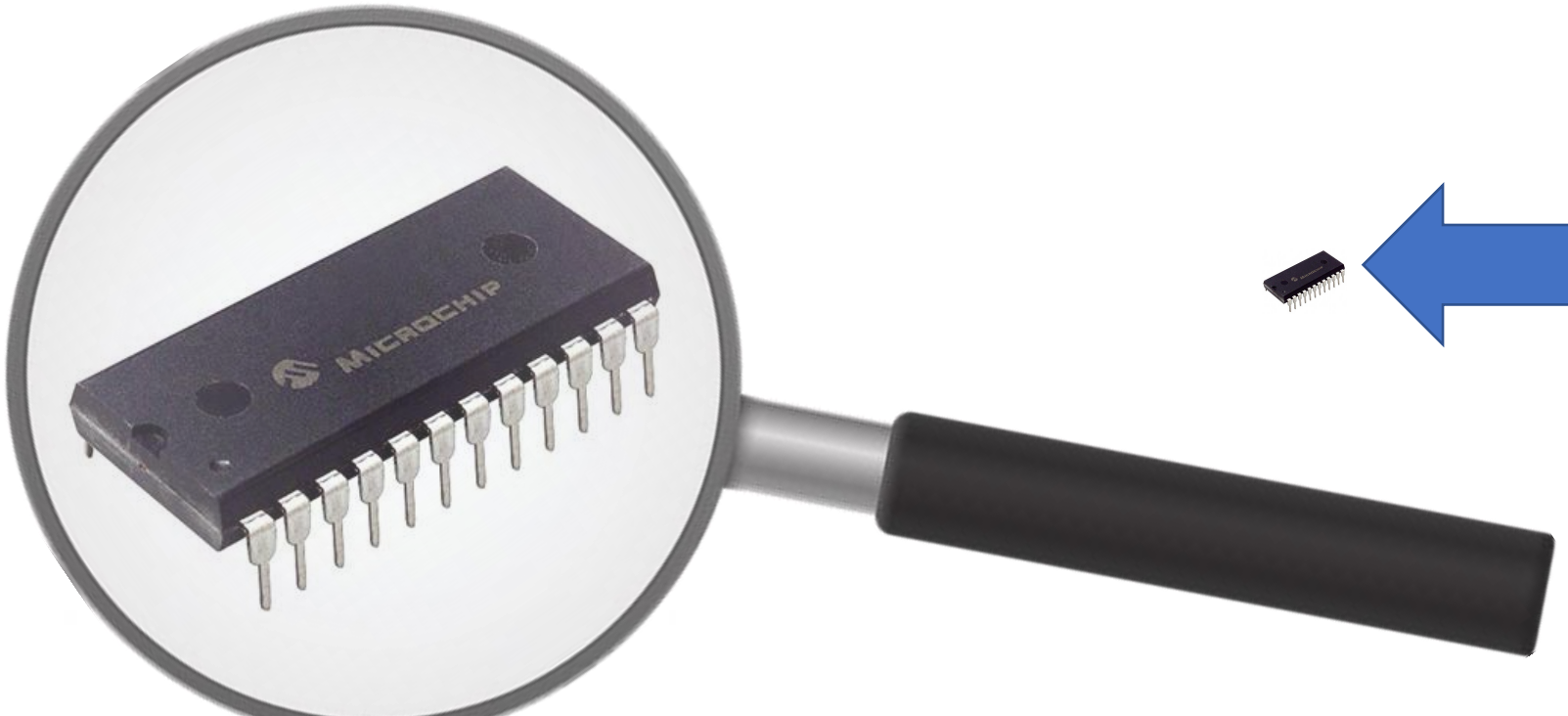
Follow the instructions?

Instructions tell us what to do

Stand up
Wave
Bow
Sit down

What is digital technology?

Digital technology is technology that has a set of instructions inside it that make it work



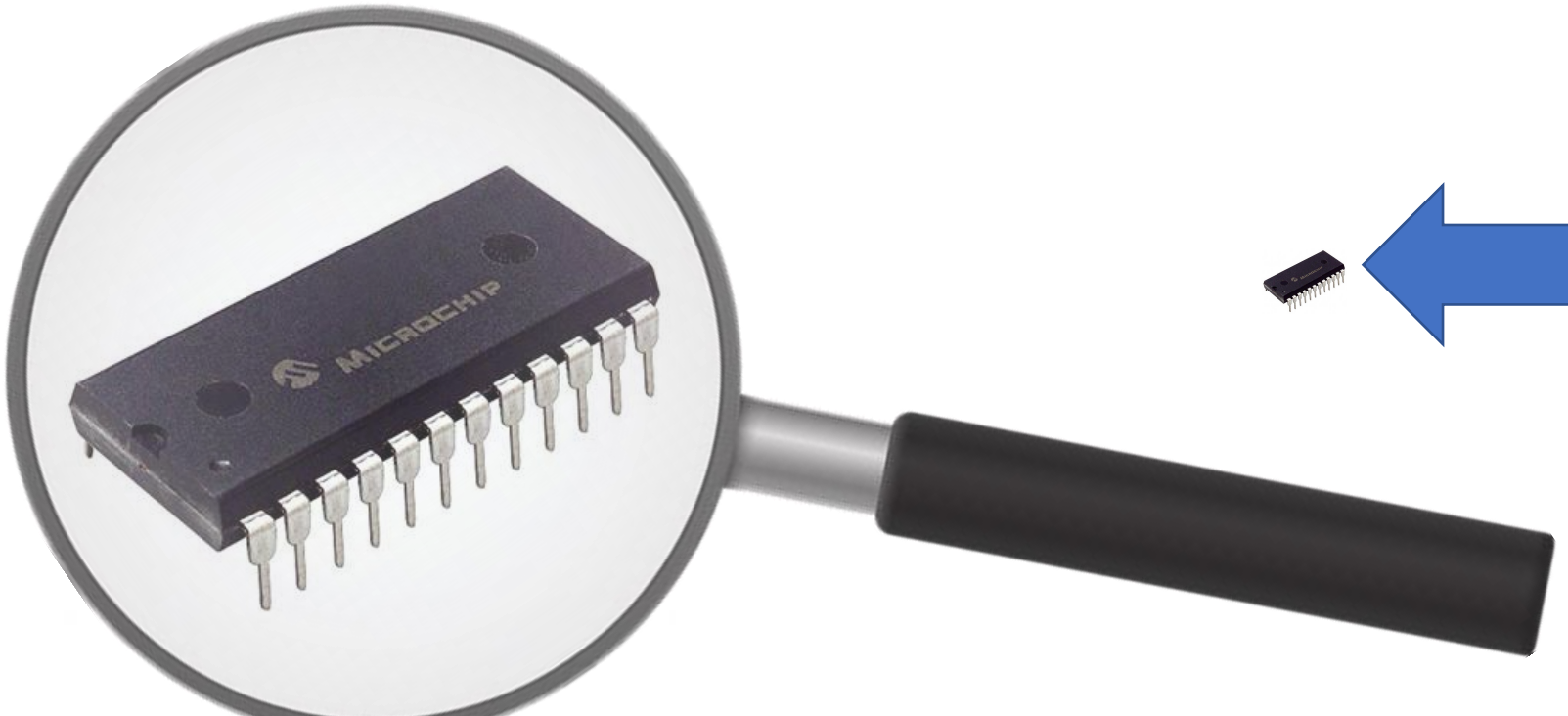
Real Size

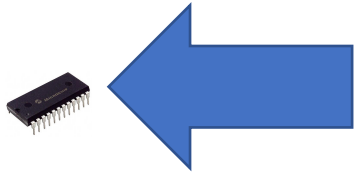
We can **not** look for these?

Very small

We must NOT break the device to find it

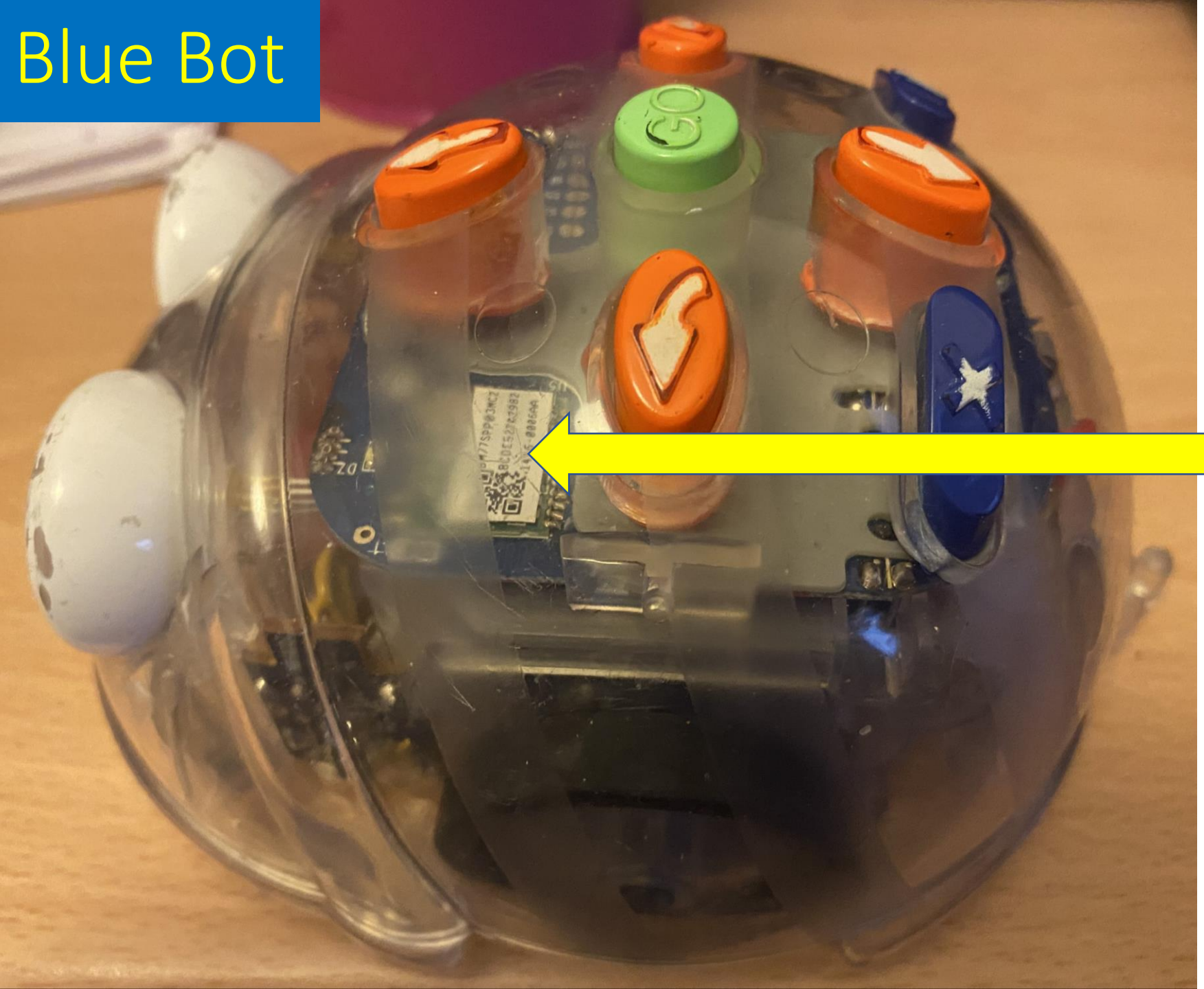
They can be connected by electrical wires **DANGEROUS**





Real Size

Blue Bot



Microchip

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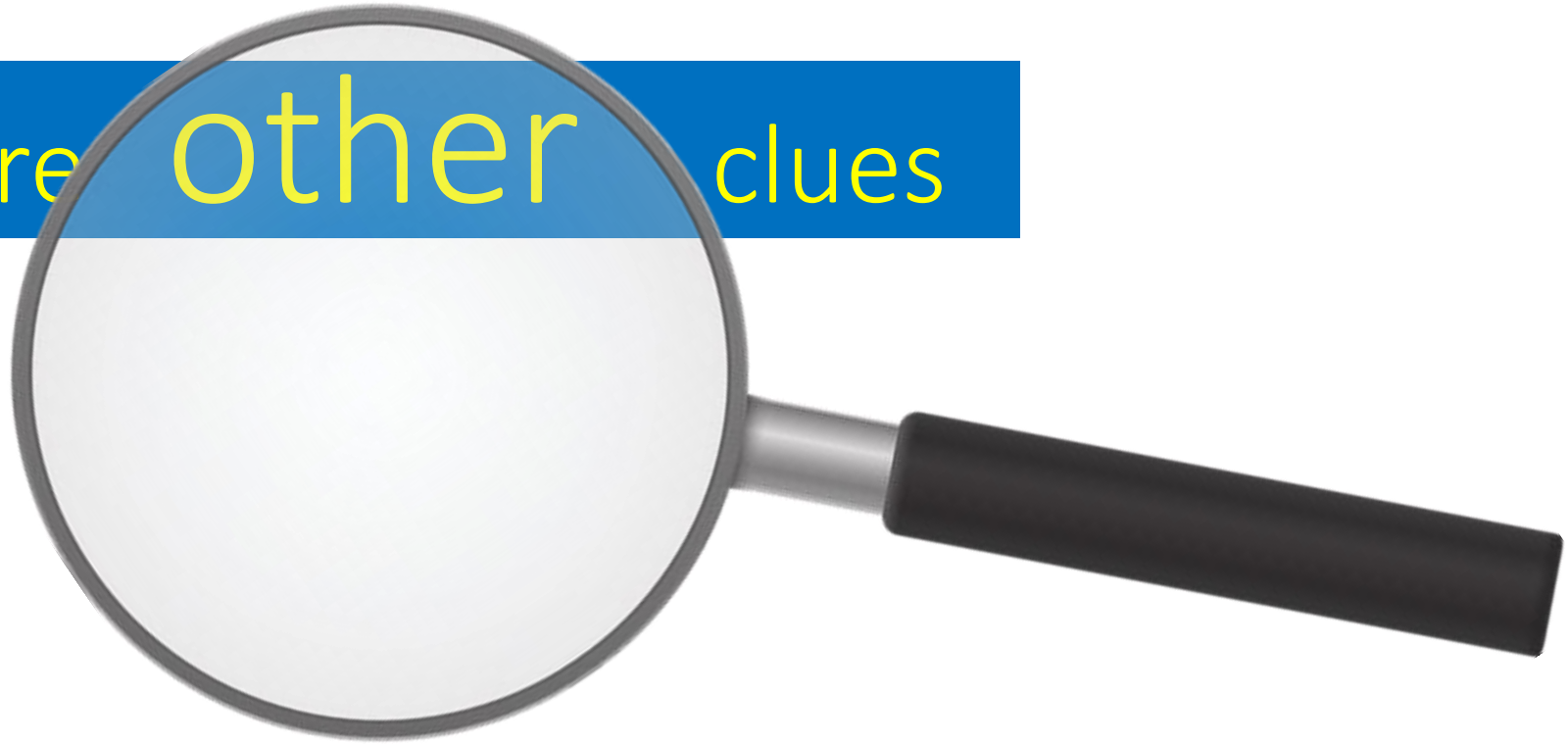
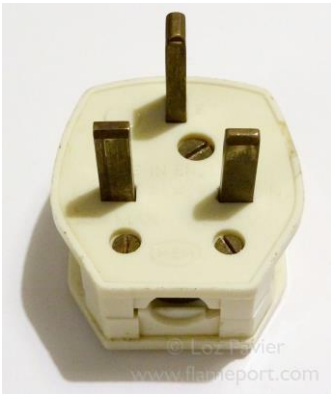
There are other clues



All digital devices need power

Plug or batteries



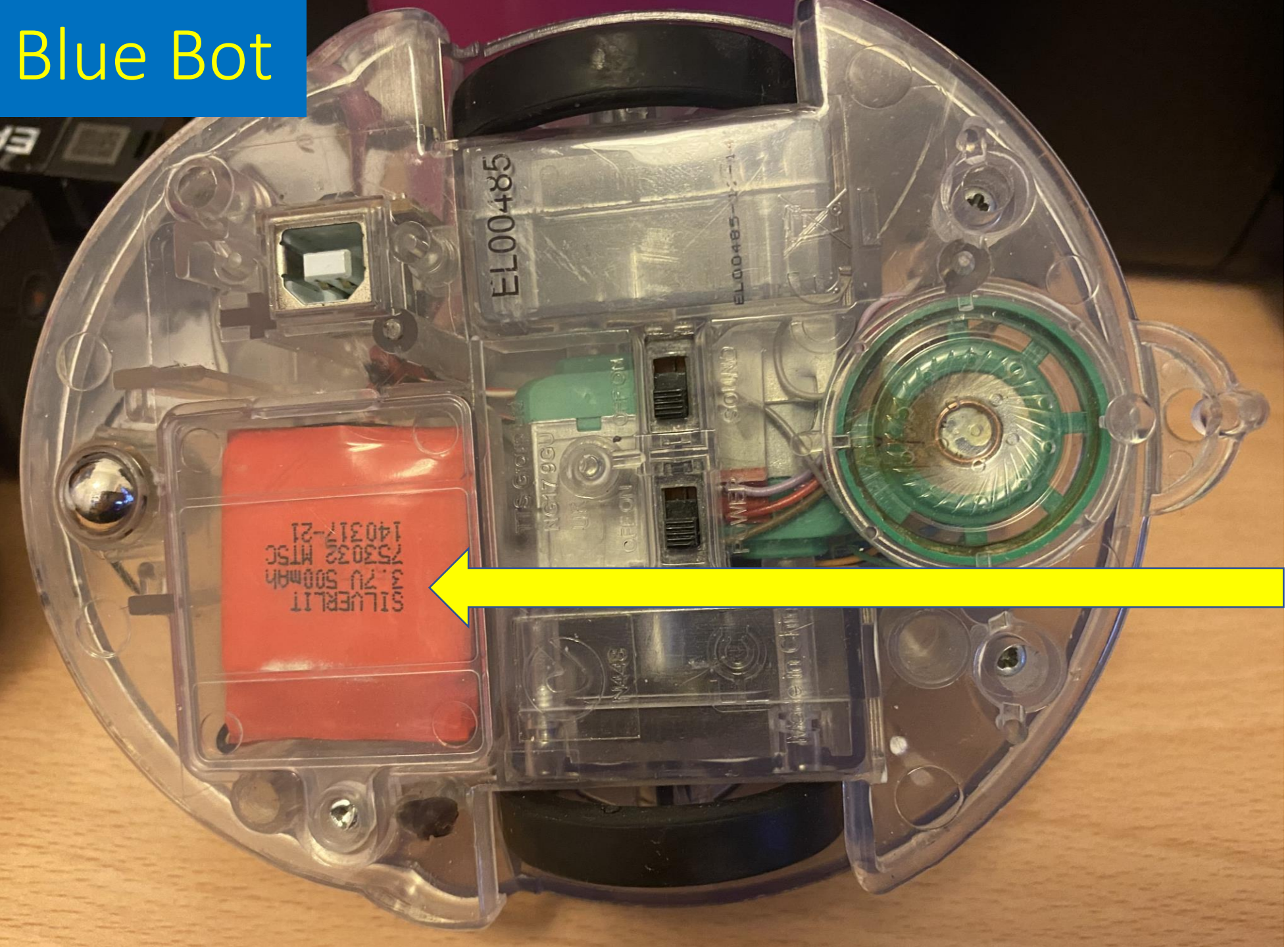
All digital devices need power

Batteries come in many different shapes and sizes

We can change some

Has blue bot got a battery?

Blue Bot



Battery

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It **might** have a digital display?

Has blue bot got a digital display?

Has blue bot got a digital display?

NO

It **might** have ways to put information into the digital device (input)

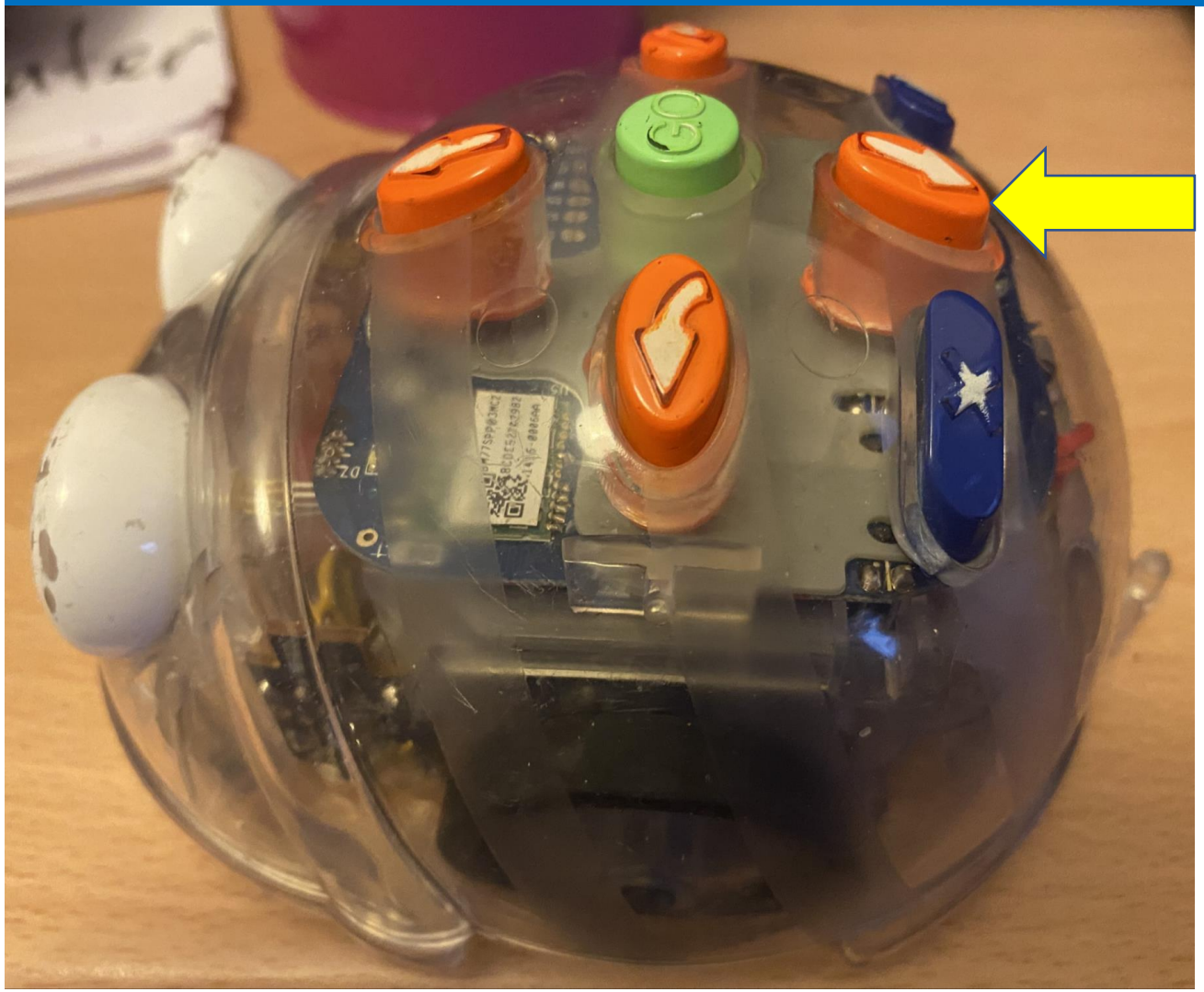
Buttons

Knobs

Dials

Has blue bot got buttons, knobs or dials?

Blue bot has got buttons?



Yes

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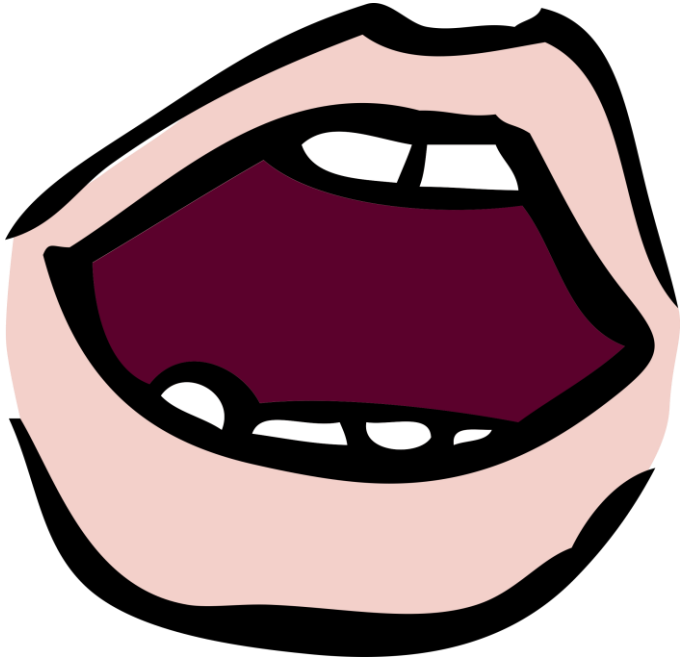
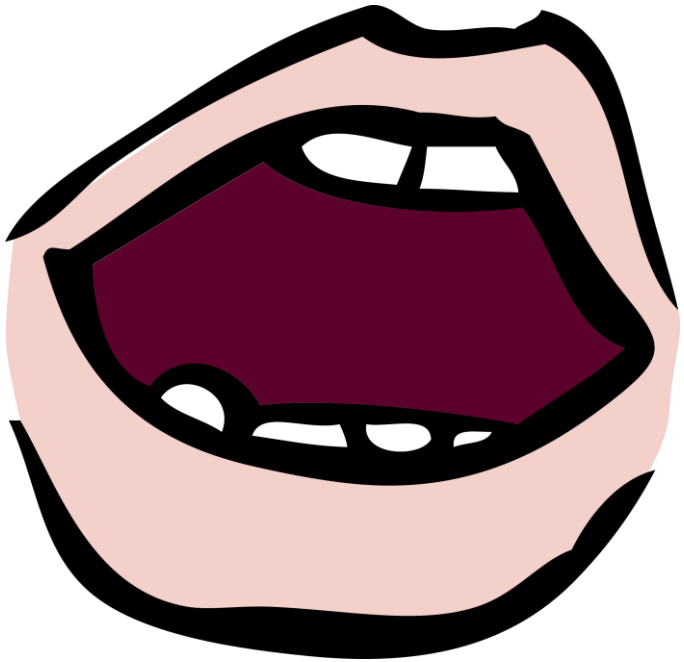
It **might** have another ways to put information into the digital device



Mouth

It **might** have another ways to put information into the digital device



Mouth

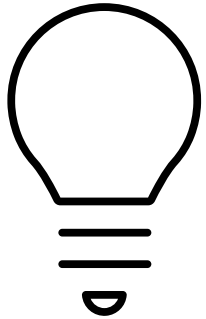
Can we tell Blue-bot what to do?

Can we tell Blue-bot what to do?

No

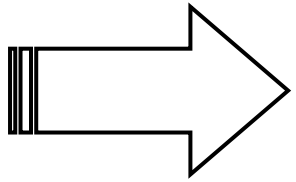
It **might** do something (output)

Light up



Make a sound

Move



Does Blue Bot do something?

Light up

Make a sound

Move

Does Blue Bot do something?

- ✓ Light up
- ✓ Make a sound
- ✓ Move

Digital Devices

Must have	Might have or Might do
• Instructions (microchip) • Power	• Digital display • Buttons knobs dials • Spoken instructions • Light up, move, make sound

power

button

display

knob

Find a digital device in the class and label it?

light up

move

sound

dial

Key Knowledge

I know that digital devices are a type of technology

I know that digital devices can come in many shapes and sizes

I know that a digital device contains coded instructions to make it do things