

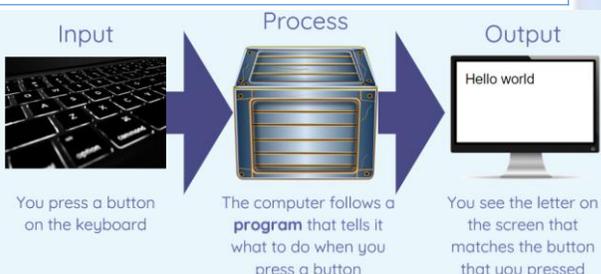


What should I already know?

- Technology can be digital or non-digital
- Computers are an example of technology

How does a digital device work?

Digital devices have an input, a process and an output.



How do digital devices help us?

We can use digital devices to create digital art work and for writing. When creating digitally, we can edit our work more easily. Different methods work better for different purposes.

How am I connected?

I am part of a network of people I know. Messages can be sent around a network, A network switch is a device that enables multiple devices on a network to be connected.

Computing

Computer scientists use computational thinking and creativity to understand and change the world

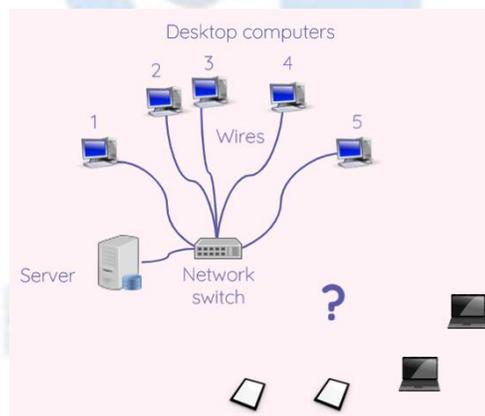
Input devices Output devices

mouse
keyboard
microphone
touchscreen
webcam

touchscreen
printer
speakers
screen
motor

How are computers connected?

Some computers are connected by wires and others through a wireless (WiFi) connection. Saving work on a server means that files can be opened on different computers.



Technical vocabulary

digital device	A device that processes information
input	Putting in a command
output	Information leaving the system
process	A series of actions taken
connection	A link between two or more things
network	A number of connections linking things together
server	A networked computer for storing files
wireless access point	A wired device that sends and receives wireless signals for devices with wireless connectivity to the rest of the network.
user devices	Something that a person uses directly.

What does our school network look like?

There are many key components to our school network:

- Devices
- Printer/copiers
- Wireless access points (WAPs)
- Network (Ethernet) cables
- Network (Ethernet) socket
- Switch
- Server



Hints

- Change I will be able to... to the knowledge
- E.g. “I will be able to say how much sleep I need a night.”
“I need 9-12 hours of sleep a night.” or even “9 hours sleep”

- Don't label the boxes with 'Lesson 1' but use sub headings to make the information easy to find – you could use the strands if appropriate for your subject
- There is no set number of vocabulary words but more than 10 may be unmanageable. You only need to include new vocabulary that is going to be relevant to more than one lesson, now or in the future. Aim to repeat them so pupils become secure in them.

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