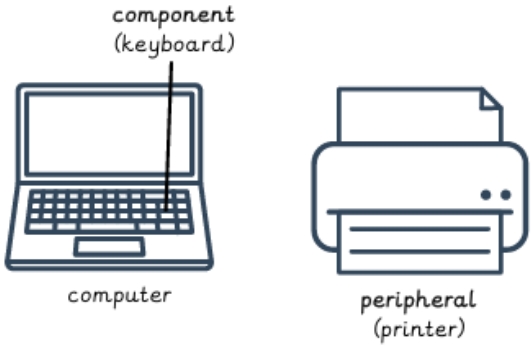
Year 3
Autumn 2 Knowledge organiser
Computing systems – connecting devices

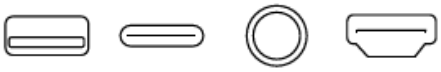
Technology: tools, machines and devices made by people to help them do a job.

- Computers are devices that process information.
- A **component** is a part built into a computer.
- A **peripheral** is a separate part that connects to a computer.

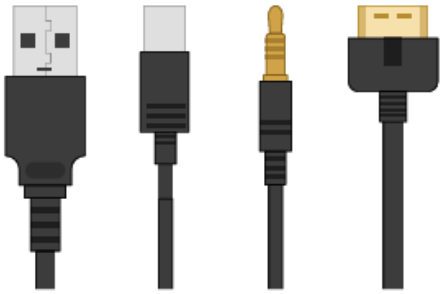


Peripherals must be connected with a wire or wirelessly.

A **port** is the opening where a connector fits.



The port and connector must match.



A **connector** is the end of a wire that plugs into a device.

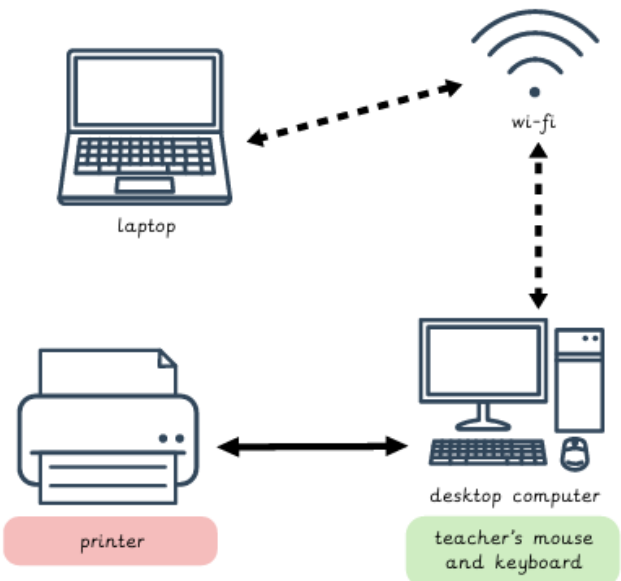


Wireless: connects using a signal like wi-fi.

Common peripherals: different peripherals are useful for different jobs.







Network: two or more computers connected together and sharing information. For example, a school or home network.

Networks allow information to be:

- Shared.
- Edited.
- Viewed.
- Opened.
- Printed.

Input devices: send information to the computer. For example, a keyboard button can send the command 'print'.

Output devices: give information to the user. For example, a printer can print out information onto paper.



A login usually has a username and password. It:

- Knows the user.
- Keeps their work private.
- Protects their information.
- Gives them space to store and save information.