



Computing Systems and Networks – Connecting Computers

Year 3 Knowledge Organiser - Autumn 1



Know how to:

- Explain how digital devices function Identify input and output devices.
- Recognise how digital devices can change the way that we work.
- Explain how a computer network can be used to share information.
- Explore how digital devices can be connected.
- Recognise the physical components of a network.

Key questions:

How does a digital device work?

A digital device works by taking in information (input), processing it, and then giving information back (output). For example, when you press a key on a keyboard, the computer processes the information and shows the result on the screen.

What parts make up a digital device?

A digital device is made up of different parts, including:

- **Input devices** such as a keyboard, mouse, or microphone
- **Output devices** such as a monitor, speaker, or printer
- A **processor** that follows instructions and processes information

How are computers connected?

Computers can be connected together in a network using cables or wireless connections such as Wi-Fi. Networks allow computers to share information, files, and resources with each other.

Key vocabulary

Word	Definition
Input	Information that is put into a computer using a device such as a keyboard, mouse, or microphone.
Output	Information that comes out of a computer, such as words on a screen or sound from a speaker.
Server	A computer that stores and shares information with other computers on a network.
Wireless Network	A way for devices to connect and share information without using cables, usually through Wi-Fi.

End of Unit Quiz:

