

Bickerstaffe CE Primary School

Autumn 1 - Computer systems and networks

Computing Knowledge Organiser

Key Vocabulary	
Device	Equipment created for a certain purpose or job.
Internet	A global network of computers and servers that share and exchange information.
Router	A device that provides internet access to a network via wired or wireless connection.
Server	A computer that supplies data and information to other devices.
WiFi	A wireless network connection that allows devices to connect without cables.
Wireless	Connects to the network via signals.

Sticky Knowledge

Substantive (what key *knowledge* are we going to learn?)

Networks

A network is made up of different devices.

The diagram shows a central network switch connected to several devices: a desktop computer, a server, a photocopier, a laptop, a wireless access point, and a tablet. Solid red lines represent wired connections, while dashed red lines represent wireless connections.

Sharing files

When a file is shared, it travels through these devices on the network.

- Wireless access point
- Network switch
- Server

The diagram shows a user at a computer connected to a network switch, which is connected to a server. A wireless access point is also connected to the network switch, representing the path for shared files.

What can be done using a network?

Different files can be sent through a network, including music, videos and photos.

A grid of six icons representing different file formats: AVI (video), WAV (audio), PNG (image), MP4 (video), MP3 (audio), and JPG (image).

Stored data

When a user requests a website, the server retrieves its stored data and sends it back as the displayed website.

The diagram shows a user at a computer connected to a server. The server is connected to a cloud icon labeled 'cloud', representing the storage of data.

Types of devices

