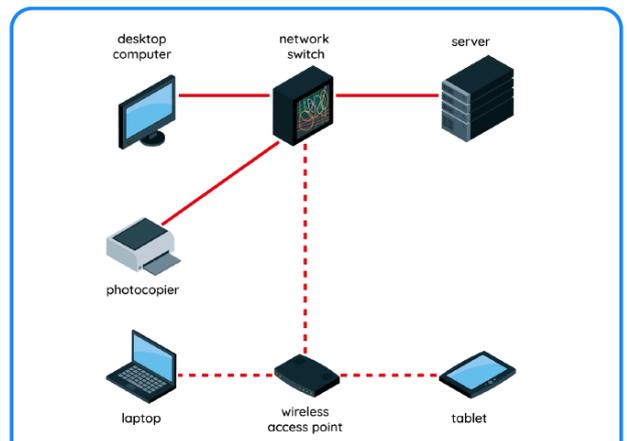


Learning objectives

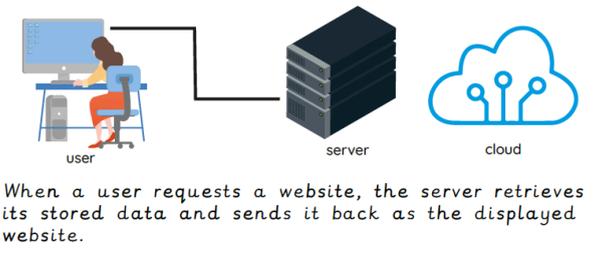
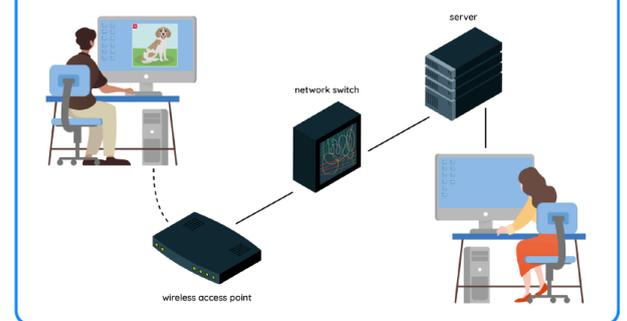
In this unit children will learn about computer networks and how they work. They will explore what a network is, its purpose, and the key components of the school's network. Children will understand the difference between wired and wireless connections, the role of servers in storing files and handling website requests, how routers help send information, and how data is broken into packets to travel across the network. Log in and out of email.

- Recognise that a network is two or more devices connected and its purpose.
- Identify key components that make up the school's network.
- Explain the difference between wired and wireless connections.
- Recognise that files are saved on a server.
- Understand the role of the server in a network when requesting a website.
- Identify parts of a website's journey to reach your computer.
- Recognise that routers connect to send information.
- Understand that data is broken into packets.

Key facts



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



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

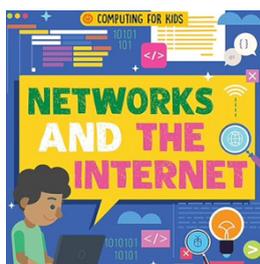
What is a network?

A **network** is when two or more computers or devices are connected so they can share information, like files, messages, or internet access. It helps computers "talk" to each other and work together.

Read all about it! Can you find these books in your local library?

Key Vocabulary

Files



Files, network, desktop computer, network switch, server, wireless access point, tablet, device.

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

