

Year 6 – Autumn 1

Computing Knowledge Organiser

What is a Computer Network?

A computer network is a group of connected devices, such as computers, printers, smartphones, routers and hard drives. They link together to 'communicate' with each other and share information. Computer networks can be large or small and can have lots of devices connected to them. For example, most schools have a computer network that allows staff and pupils to access and share information and resources. Some devices they might use are printers, computers, tablets and photocopiers.

ROUTER

Routers are small computers that communicate between the Internet and devices that connect to the Internet. They keep the packets in a network moving to their destination as smoothly and quickly as possible.



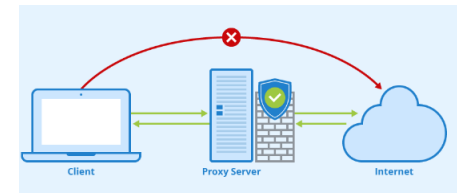
CLIENTS

Computers or computer controlled devices that can connect to the server are called clients.



SERVER

A server is a piece of hardware that has a large memory drive where lots of files and resources are stored. It also responds to requests across a computer network.



SWITCH



A device that has lots of connection ports for lots of other devices to connect to a computer network.