



## ? What are we learning about computer networks?

Computers in schools, businesses, hospitals and other large buildings are connected to a network. This allows the computers to share information, software and save files to one central computer (the server) so that any computer on the network can access them. These places have lots of important information so it is important the network is secure and does not have viruses.

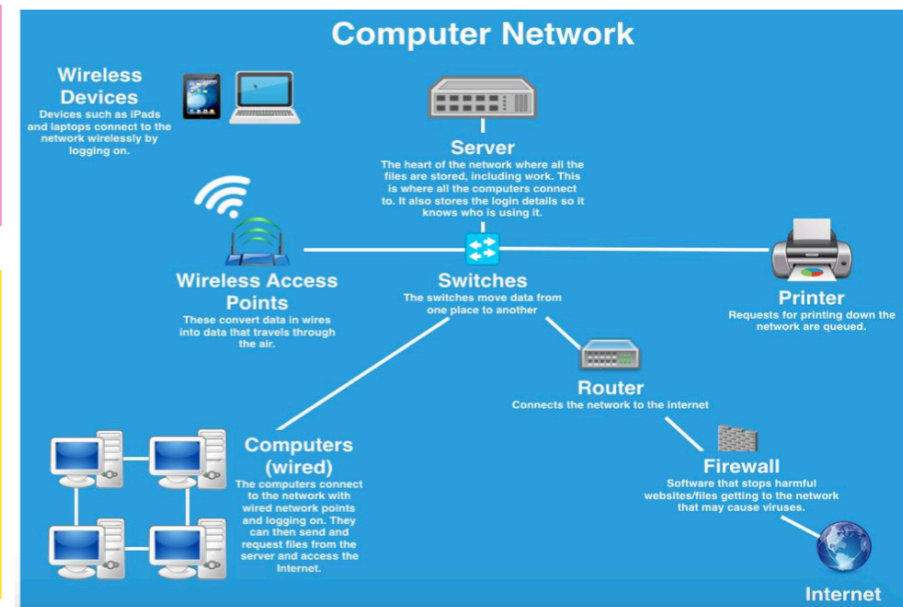


## National Curriculum Content

Understand computer networks, including the internet; how they can provide multiple services, such as the World Wide Web, and the opportunities they offer for communication and collaboration.

## Key knowledge

- Understand the different equipment needed for a computer network and how they help.
- Understand the advantages of a computer network (share information, troubleshoot computers, do not need to use the same computer to access files).
- Understand why a computer network needs to be secure.
- Understand the term 'cloud computing' and the advantages of it. (Access files from anywhere)



## AB CD Important Vocabulary

<b>Server</b>	The heart of the network where all the files are stored, including work. This is where all the computers connect to. It also stores the login details so it knows who is using it.
<b>Router</b>	Connects the network to the internet.
<b>Firewall</b>	Software that stops harmful websites/files getting to the network that may cause viruses. These are where the emails you have sent are stored.
<b>IP address</b>	Each device connected to a network, including wireless devices and printers, has an IP address. This is a string of numbers to find the location of the device. This helps find where problems on the network are.
<b>Wireless Access Point (WAP)</b>	These convert data in wires into data that travels through the air. For example, connecting a wireless device such as iPad to the the network and internet.
<b>Cloud computing</b>	Connecting a computer or device to a cloud server, such as Google Drive or Microsoft Onedrive to save files to access anywhere.