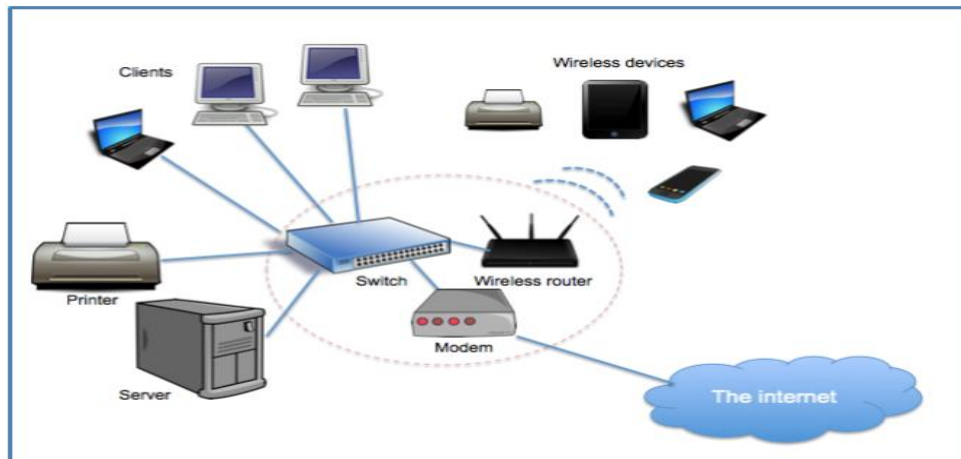


How to use computers purposefully and safely.

- Explore the concept of a network.
- Learn how computers communicate.
- Discover how networks work using real world examples.
- Learn how routers are used and how 'packet data' allows websites to travel around the world.
- Understand how the internet works and how data can be shared this way across the world.

Key Skills – understanding how a network works.



Key Vocabulary

Connection	A link from a computer to another device or computer that allows them to communicate.
Wireless	A connection that happens without the use of a plug-in cable.
Device	A machine that is used to either communicate with or support a computer and produce an input or output (eg printer, mouse).
Network	One or more computers that are connected together, often wirelessly.
Server	A computer that manages and stores files or provides services to other computers on the network. They control the network and allow other computers to share and communicate.
Router	A computer designed to move data between computer networks. Routers make sure traffic between computers goes where it needs to go.
Internet	A global system of computer networks that are connected. Internet means <i>interconnected network</i> and is slightly different to the web.
World wide web	The part of the Internet that contains websites and webpages (www).
Packet data	Information sent from one computer to another is broken down into small bits of data called 'packets'. Each packet includes information about where the data is going to, where it is from and how to reassemble it. Websites are sent around the world as packet data.

Websites to help:

To learn more about computer networks visit:
<https://www.schoolsofkingedwardvi.co.uk/ks2-computing-computing-theory-5-computer-networks/>

For more information on the internet:
<https://www.bbc.co.uk/bitesize/clips/z94dq6f>