

Kit's Guide to How Computers Connect!

Plug into the World: Your Guide to Networks!

- A network is a group of two or more computers connected together to share information and resources like printers or files.
- A 'client' is a device, like your laptop or tablet, that requests information, while a 'server' is a powerful computer that stores files and provides services to the client.
- The internet is essentially a 'network of networks' that connects billions of devices globally using cables under the sea and satellites in space.
- A router acts like a traffic controller, directing data packets to the correct destination so they don't get lost on their journey.
- Wireless connections, such as Wi-Fi, use invisible radio waves to send data through the air, allowing us to move around without being plugged into a wall.
- Network security is important! We use passwords and firewalls to keep our private information safe from people who shouldn't see it.

Did you know? Did you know? Every time you send an email or watch a video, the information is broken down into tiny pieces called 'data packets'. These packets travel across the world at lightning speed and are put back together when they reach your device!

Key vocabulary: Network • Server • Client • Internet • Router • Data packet • Wireless