

Kit's Computing: Understanding Networks

Learning objective: To identify key terms and concepts related to computer networks, including how devices connect and share information.

Read the front of the flashcard to test your knowledge, then flip it over to check your answer. Use these cards to help you understand how computers talk to each other!

What is a Computer Network?

A collection of computers and devices connected together so they can share information and resources.

What is a Server?

A powerful computer on a network that provides services or resources to other computers.

What is a Client?

A computer or device that requests services or information from a server.

What does a Router do?

It acts as a traffic director, sending data packets between different networks to ensure they reach the right destination.

What is Wi-Fi?

A technology that allows devices to connect to a network wirelessly using radio waves.

What is the Internet?

A global network of millions of smaller networks connected together.

What is a 'Packet' in computing?

A small 'envelope' of data that is sent across a network to be reassembled at the destination.

What is a Node?

Any device connected to a network, such as a computer, printer, or smartphone.

What is Bandwidth?

The amount of data that can be sent or received over a network connection in a certain amount of time.

What is a Switch?

A device that connects multiple devices on the same network, ensuring data goes to the specific device that asked for it.