Network Navigators: Mastering Digital Connections

Learning objective: I can explain how computers connect and share information across networks.

About 15 minutes. Grown-up tip: Ask your child to show you where the router is in your home and explain what they think it is doing.

Read the front of the flashcard to test your knowledge about how computers talk to each other. Once you have an answer in your head, check the back to see if you are correct. You can use these to quiz a partner during break time!

What is a computer network?	What does LAN stand for?
A group of two or more computers connected together to share resources like files or printers.	Local Area Network, which connects computers in a small area like a home or school.
What is the function of a router?	**Define a 'Server' in a network.**
It directs data packets between different networks, like connecting your home devices to the internet.	A powerful computer that provides services, data, or resources to other computers, known as clients.
What is the Internet?	**What is meant by 'Wi-Fi'?**
A vast, global network that connects millions of smaller private, public, and academic networks worldwide.	A technology that uses radio waves to provide wireless high-speed internet and network connections.
What is a data packet?	**What does WAN stand for?**
A small unit of data that is sent across a network and reassembled at its destination.	Wide Area Network, which covers a large geographical distance, such as a city, a country, or the world.
What is an IP address?	**Why do we use network cables?**
A unique string of numbers that identifies a specific device on a network.	To provide a fast, stable, and secure physical connection for transferring data between devices.