Connecting the World: The Magic of Networks

About 15 minutes. Grown-up tip: Ask your child to find the router in your home and discuss how many devices are connected to it at once.

Explore this poster to uncover how Kit the fox keeps our school computers chatting. Think of a network like a local post office: information is the parcel, and the cables are the roads!

- **A network is a collection of computers linked together to share information and resources like printers.**
- **The 'Client' is the device you use, such as a laptop or tablet, which requests information.**
- **The 'Server' is a powerful computer that stores files and manages the network's traffic.**
- **A 'Router' acts like a traffic controller, directing data to the correct device in your home or school.**
- **An IP Address is a unique string of numbers that identifies every single device on a network.**
- **A LAN (Local Area Network) covers a small area like a school, while a WAN (Wide Area Network) connects large distances.**

> *Did you know? Did you know? Every time you click a link, your request is chopped into tiny 'packets' of data. These packets travel across the world through underwater cables and beam back to your screen in milliseconds!*

Key vocabulary: Server · Client · Router · Packet · IP Address · LAN · WAN