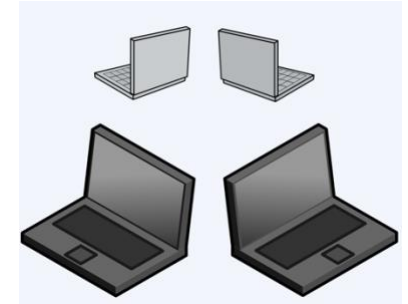




Computing Systems and Networks - Communication

Year 6 Knowledge Organiser



Know how to:

- Explain the importance of internet addresses.
- Recognise how data is transferred across the internet
- Explain how sharing information online can help people to work together
- Evaluate different ways of working together online
- Recognise how we communicate using technology
- Evaluate different methods of online communication

Key questions:

How is data transferred across the internet?

Data packets are similar to letters

The envelope is like the **header**. It contains the address. The header also contains other key information, including the sender's address.

The letter inside is similar to the **data payload**.

How does the internet enable people to work together?

People can share ideas remotely and work on shared projects together. Communication can be done using video calls, online messaging services or simply via e-mail.



What are the different methods of online communication?



Key Vocabulary	
Word	Definition
Domain	The domain name is the part of the address that identifies a computer or organization.
Server	A server is a powerful computer that provides one or more services to a network and its users.
IP Address	A unique address used to identify individual internet-enabled devices.
Packets	A packet is collection of data that can be used by computers which need to communicate with each other, usually as part of a network
Networks	A computer network connects two or more computers and communication devices.
Communication	Sending or receiving information.
Collaboration	The action of working with someone to produce something.