



**The Acorn Partnership**

Marston Montgomery Primary School  
Long Lane C of E Primary School

# Computing Systems and Networks - Communication and Collaboration

## Sticky learning

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- I know networks physically connect to other networks through routers.
- I know network devices make up the internet and the internet provides services.
- I know websites are shared via www. and the type of media that is stored on the www. (e.g. videos, websites and images)
- I know how content is accessed on the internet through searches.
- I know anyone can add content to the internet and this means it is not always accurate.

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- How digital devices connect to the internet using routers and networks.
- How computer networks are used to share information.

## New Knowledge

- I know internet addressed use IP addressed and DNS across websites.
- I know data is transferred across the internet as data packets.
- I know how files are access online and information is shared over the internet to help people work together.
- I know different ways of using technology to communicate online and know the best technology to use.
- I know different methods of online communication and can evaluate these and decide what information should and should not be shared.,



## Key Vocabulary

<b>Data</b>	Information stored or shared, like words, numbers, pictures, or videos.
<b>Address</b>	A special code or label that helps find a place, just like your home address, but for computers or websites.
<b>Internet Protocol (IP) Address</b>	A unique number for each computer or device on the Internet, like a phone number for your computer.
<b>Domain Name Server (DNS)</b>	A kind of phone book for the Internet that helps match website names (like google.com) to their IP addresses.
<b>Packet</b>	A small piece of data sent over the Internet, like sending a letter in an envelope.
<b>Header</b>	The part of a packet that has important details like the sender and receiver, similar to the address on an envelope.
<b>Data Payload</b>	The main content inside a packet, like the letter inside an envelope.
<b>Chat</b>	Talking with someone using messages on a computer or phone, like texting.
<b>Explore</b>	Looking around to learn or discover new things.
<b>Slide Deck</b>	A group of slides used to share information, like pictures or words in a presentation.
<b>Communication</b>	Sharing ideas, messages, or information with others.
<b>Internet</b>	A giant network that connects computers all over the world to share information.
<b>Public</b>	Something that everyone can see or use.
<b>Private</b>	Something meant to be kept secret or only shared with a few people.
<b>One-way</b>	Information going in just one direction, like sending a letter but not getting a reply.
<b>Two-way</b>	Information going back and forth, like talking on the phone.
<b>One-to-one</b>	Sharing something with just one person, like a personal text.
<b>One-to-many</b>	Sharing something with a group of people, like posting on social media for everyone to see.