



Computing Systems and Networks - Communication and Collaboration

Sticky learning

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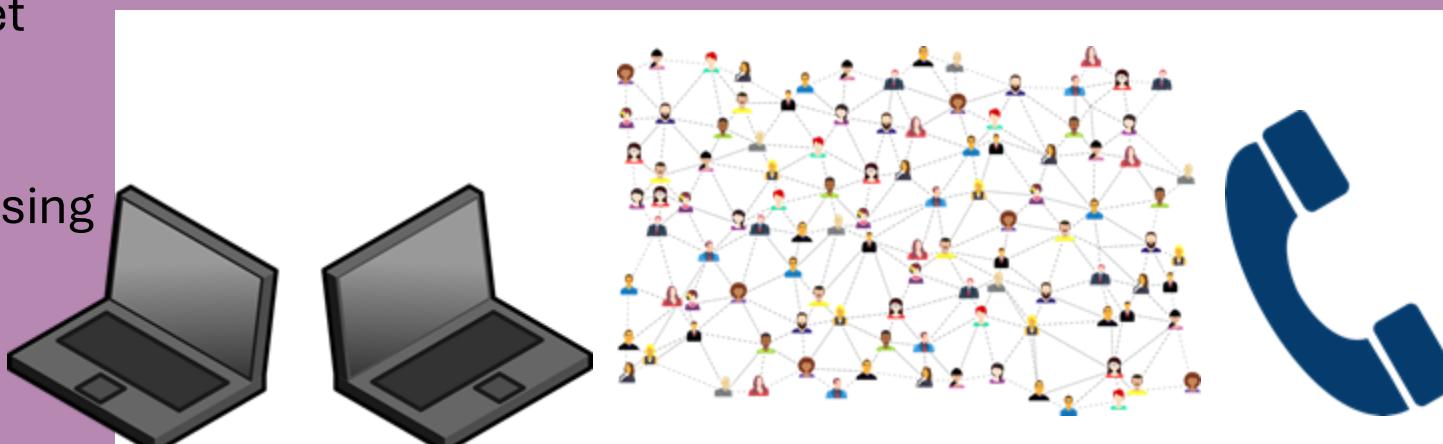
- I know networks physically connect to other networks through routers.
- I know network devices make up the internet and the internet provides services.
- I know websites are shared via www. and the type of media that is stored on the www. (e.g. videos, websites and images)
- I know how content is accessed 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

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