

Y8 ICT Autumn 2 - Computer Networks

Knowledge Organiser

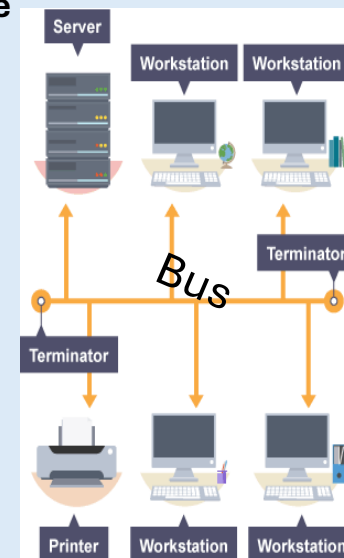
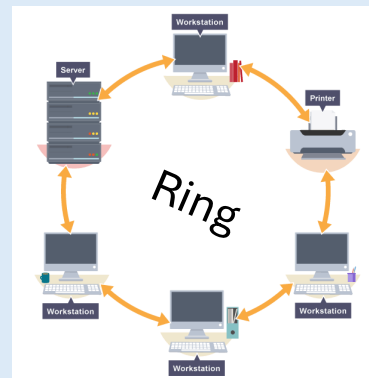
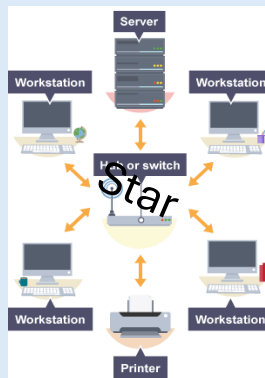
Key term	Definition
LAN	A network that connects computers and devices within a small area, like a home
WAN	A network that connects computers and devices over a large geographical area
Topology	The layout of devices in a network, such as star and ring
Wi-Fi	A technology that allows devices to connect to a network wireless
Protocol	A set of rules that determine how data is transmitted over a network.
Hardware	The physical components of a computer or network, such as routers and switches
Switch	A device that connects multiple devices in a network and directs data to its correct destination.
WWW	A system of interlinked web pages and resources accessed via the internet.
Internet	A global network of networks that connects millions of computers and devices, allowing them to communicate and share information.

Revision Website:



Powerful knowledge

A **network** is where 2 or more devices are connected to share data and resources.



They can range from **LANs** to **WANs**, with the internet being the world's biggest network.

INTERNET	WORLD WIDE WEB
A global system of interconnected computer networks that use the TCP/IP protocol to link devices worldwide	Online content that is formatted in HTML and accessed via HTTP protocol
A massive interconnection of computer networks around the world	Service provided by the internet
Uses Transmission Control Protocol/Internet Protocol (TCP/IP)	Uses Hyper Text Transfer Protocol (HTTP)
	Visit www.PEDIAA.com



Protocols are the rules data must follow to be transmitted in the correct way.