

Web Addresses: IP Addresses: Network Hardware: Sender URL' stands for 'Uniform Resource Locator'. Every device on the internet has a unique IP address. Network Hardware: Sequent Poyloo It is the address of a World Wide Web The IP address is included in a data Router Network Cable	What is aWhat isnetwork?protocol		Packets:	
Web Addresses:IP Addresses:Network Hardware:SenderURL' stands for 'Uniform Resource Locator'.Every device on the internet has a unique IP address. The IP address is included in a dataNetwork CablePaylooNetwork CableIt is the address of included in a dataNetwork CableNetwork Cable	two or more devices are connectedof rules for transmitting between devicestogether to allow them to communicate andsuch as HTTP HTTPS.	worldwide networkdataof computers,vices,whereas the web isv, orthe collection ofweb pages found	 pieces, called packets. Each packet consists of t header - this includes the sender's and r addresses, the packet number, the total the message contains, plus the details o payload - this is part of the actual message packets are sent individually across the 	two parts: ecipient's IP number of packets f any protocols used nge itself. The network and put
Web Addresses:IP Addresses:Network Hardware:URL' stands for 'Uniform Resource Locator'.Every device on the internet has a unique IP address. The IP address is included in a dataNetwork CableRouterNetwork Cable				Packet header
'Uniform Resource internet has a Payloo Locator'. unique IP address. Router It is the address of The IP address is a World Wide Web included in a data	Web Addresses: IP Addresse	es: Network Hardware	:	Sender IP 192. Receiver IP 205
It is the address of a World Wide Web included in a data	'Uniform Resource internet has	a	Nature de Oak la	Sequence 1 of Payload "Ho
sometimes called the 'web address'. This is an example of an IP address:	It is the address of a World Wide Web page and is sometimes called the 'web address'. This is an example.	ss is data ample	Network Cable	



Computing Department Knowledge Organiser: Year 7 Networks



Task 1 Wired vs. Wireless:

A wired network is one where the devices in the network are connected using cables.

A wireless network is a computer network that makes use of Radio Frequency (RF) connections between devices in the network.

Copy and complete this table in your home learning book, adding advantages of wired and wireless networks:

Advantages of Wired Networks	Advantages of Wireless Networks

Task 4 LAN and WAN

A LAN is a Local Area Network, which is a network connected over a small geographical area e.g. a house.

A WAN is a Wide Area Network, which is a network connected over

a large geographical area, e.g. an international company.

Draw and label a LAN and a WAN in your home learning book.

Can you name the largest WAN?

Task 2 Web Addresses:

Identify the protocol, and domain name in this web address:



https://www.bbc.co.uk/bitesize

Write a web address of your choice into your home learning book and identify the protocol and domain name of it.

Task 3 Network Hardware:

Look at the network hardware images on the previous page. Draw them into your home learning book and write a description of what each device does on a network.

- Router
- Server
- Network Cable
- Hub

Task 5 e-Safety when using the internet

Create a top tips poster which contains at least 5 tips to keep year 7s safe when using the internet.

Add images to your poster and colour it in.