



Year 6 – Summer 2
We Are Network Engineers
Computing



In this unit, pupils will develop their understanding of computing networks. They will learn about domain name systems and explore our own school’s network infrastructure.

Information Technology

Prior Knowledge

Children will have an understanding of how the internet is a network system that different devices connect to all around the world.



E-safety:

To understand that internet safety skills must always be switched on.

Computing Key Vocabulary

Command Prompt	A method of interacting with a computer by giving it lines of textual commands
Domain Name Service (DNS)	A system used to convert a computer's host name into an IP address on the Internet. For example, if a computer needs to communicate with the web server e.g. example.net, your computer needs the IP address of the web server example.net.
Host name	The unique name by which a network device is defined and known on a network.
Internet	Global network connecting computers and local networks. This can be done through routers and fibre optic, copper wire and radio connections.
IP address	Numeric addresses that are unique to individual computers that directly connected to the internet. Also used on private networks to uniquely identify computers on that network.
Network	A group of two or more computers that are linked together. Networks are usually used to share resources, exchange files or communicate with other users.
Packet of Data	A small set of numbers that get transmitted together via the internet, typically enough for 1000 or 1500 characters
Router	A box that's looking out for data and when it receives it, it decodes the radio signal back into data and then sends the information to the internet using wires
The web	The part of the Internet that contains websites and webpages.
Webserver	The main job of a web server is to display website content through storing, processing and delivering webpages to users.



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This half term we will be using...	
Hardware	Software/Apps
Winbooks/ Chromebooks	The internet

