

Can I still recall ... ?

- What is a search engine?
- What is a web browser?
- How do you find and create information on the internet?
- Can you protect information sent and received using the internet?
- How do you stay safe using the internet?

Key Questions

- What is the name and function of hardware used to connect computers?
- How is data transmitted using the internet?
- What is the difference between the web and the internet?
- What coding language are web pages written in?
- What are the names of the parts which make up a URL?
- How is a website structured?
- How do you create and add content to a webpage?

Vital Vocabulary

Creative Commons	A scheme which allows original work of others to be used without further permission.
Hyperlinks	Text or images that, when clicked, opens another page or moves to another part of the document
Hypertext mark-up Language (HTML)	Common language used for webpages
Hypertext transfer protocol (HTTP)	Standard protocol for the request and transmission of HTML web pages between the browser and web server
Internet	Global network connecting computers and local networks using automated switches, routers and fibre optic, copper wire and radio connections
Internet Protocol (IP) addresses	Numeric addresses uniquely specifying computers directly connected to the Internet
Network switch	Dedicated computer hardware that routes data packets to particular connections according to their IP address header
Packets of Data	A small set of numbers that get transmitted together via the internet.
Protocol	A set of agreed rules and procedures for communication
Tag	Component of HTML to show the purpose of the text
Uniform Resource Locator (URL)	A standard for specifying the location on the internet of certain data files
Web browser	Program running on a user's computer which requests and staples web pages using HTTP
Web server	Computer connected to the internet that stores web pages, transmitting these to web browsers
World Wide Web	The HTML and other documents store on individual web servers connected via the internet

Hardware



Software



E-safety in this Unit

- You will learn about how networks and the internet work.
- How data transmitted via the Internet is not always encrypted, secure and private.
- To learn how easy it is to create content for the web.
- Understand how best to keep yourself safe while using the internet.
- To learn how easily web pages can be changed, and how reliable they are.