

We are web developers

Prior Knowledge

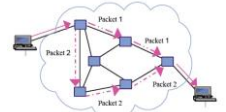
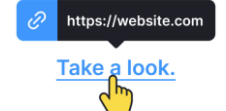
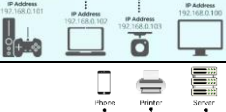
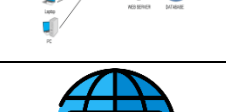
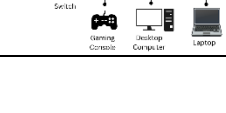
In **Unit 1.4: We are publishers** you produced an eBook.

In **Unit 2.4: We are researchers** pupils learned to access online content.

You created online text in **Unit 3.5: We are co-authors** and you created content for the Internet in **Unit 4.4: We are bloggers**.

In **Unit 5.2: We are cryptographers**, you learned ways that information protected when transmitted.

Key Vocabulary:

creative commons		copyright licensing scheme where the creator of an original work allows others to use it without seeking further permission, subject to a number of agreed conditions	packets of data		component of HTML to show the purpose of the following text, such as a link, paragraph text or image
hyperlinks		text or images that, when clicked, opens another page or moves to another part of the document	protocol		a set of agreed rules and procedures for communication
hypertext mark-up language (html)		predominant language for web pages	tag		a small set of numbers that get transmitted together via the Internet, typically enough for 1000 or 1500 characters
hypertext transfer protocol (http)		standard protocol for the request and transmission of HTML web pages between browser and web server	Uniform Resource Locator (URL)		a standard for specifying the location on the Internet of certain data files
internet		global network connecting computers and local networks using automated switches, routers and fibre optic, copper wire and radio connections	web browser		program running on a user's computer which requests and displays web pages using HTTP
Internet Protocol (IP) addresses:		numeric addresses uniquely specifying computers directly connected to the Internet	web server		computer connected to the Internet that stores web pages, transmitting these to web browsers as HTTP requests are received
network switch		dedicated computer hardware that routes data packets to particular connections according to their IP address header	world wide web		the HTML and other documents stored on individual web servers connected via the Internet and accessible via HTTP

Key learning: How are web pages linked together?



Session 1: Learning how computer networks work

How do we connect to other computers and the internet?



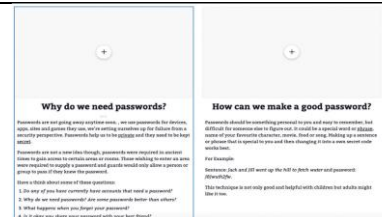
Session 4: Planning the website

How can I create my own set of webpages?

To: 1.2 Sequence: 1 Data (bit of message): My favourite	To: 1.2 Sequence: 2 Data (bit of message): colour
From: 3.5	From: 3.5
To: 1.2 Sequence: 3 Data (bit of message): is blue.	To: 4.6 Sequence: 1 Data (bit of message): What is
From: 3.5	From: 2.3

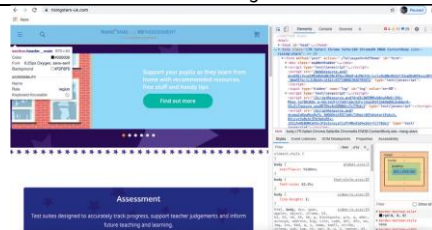
Session 2: Cards used for the switch activity

How does the internet work?



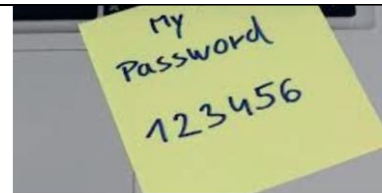
Session 5: Adding content to the website

How do I edit and improve our class's webpages?



Session 3: Using Chrome's Developer Tools to look at webpage HTML

How does the internet know that you want to move from one page to another?



How can we make a good password?

Passwords should be something personal to you and easy to remember, but difficult for someone else to figure out. It could be a special word or phrase, name of your favourite character, movie, food or song. Making up a sentence or phrase that is special to you and then changing it into a own secret code works best.

Session 6: Adding images to the website

Key Applications (apps)



Google Chrome



Google Sites

Next Steps

Pupils will return to collaboratively planning in **Unit 6.3: We are publishers.**

You will revisit online safety in **Unit 6.4: We are connected.**