Year 6 — Knowledge Organiser — Computing
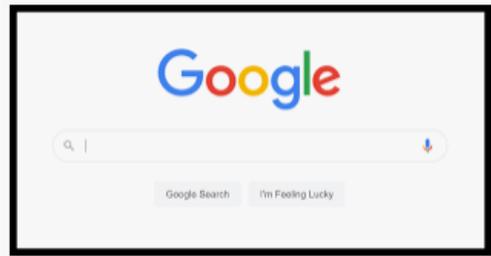
Search Engines

To find information on the internet you need to use a Search Engine. This is a particular type of webpage that allows you to type in the information about what you want to find. The Search Engine will then use Web Crawlers to search for websites that match the words you have used. The search engine will create an index of results and display the results in a certain order called a ranking.

A ranking is the order that search engines display search results. Some companies pay fees for their websites to always be at the top of searches.

Digital Personality

Your online movements are tracked, collected and examined. Based on websites you look at, companies get an idea of who you are and what you like. This is often used to target people with certain adverts to try and sell them things. Your digital personality is a judgement made about you based on what you look at online, what you search for and also, what you put on line yourself. Lots of social media websites ask you to click 'like' buttons. This also forms part of your digital personality.

Key Vocabulary

Internet	Computers connected on a network so they can communicate
World Wide Web	Websites and web pages that provide information and content
Copyright	A law that allows the creator of something decide who can use it.
Ranking	The order a search engine displays search results.
URL	Uniform Resource Locator—This is the address of a website.
Web Crawler	The tool search engines use to search the internet for specific information.
HTML	Hypertext Mark up Language is a special code that tells the webbrowser what a website how a webpage should look.
Count controlled loops	Programming a computer to do the same thing a set amount of times.
Influencer	Someone to can persuade others to do, say or buy something.
You Tuber	Someone creating and posting videos onto the You Tube website
CEOP	Child exploitation and online protection. This organisation helps to keep young people safe online.

Copyright

Websites and Web Pages

Websites are used to share information or to sell things to people. They are often made up of separate pages called a webpage.

Web pages will often have 'links' on them. These are also called Hyperlinks. If you click on a link it can send you to another webpage or website. This can be used on websites to give readers access to more information,

Copyright is a law that gives the owner of a written document, musical composition, book, picture, or other creative work, the right to decide what other people can do with it. You have to be careful when sharing information on line, that you have the creators permission or you could be breaking copyright law.

HTML

HTML stands for Hypertext Mark Up Language. Websites are not programmed. But code is used to create them. The code is written on Mark up language called HTML. It tells the web browser what and how to display the website.

Secure websites

You need to be careful when you click on links. Sometimes they may send you to other websites and pages that you do not want to go to. Sometimes they will send a virus to your computer.

Quite often you will see the abbreviation Ad at the top of any Search on a search engine. The Ad stands for advertising and gives you an indication that the website has paid money to be at the top of searches. It might not always be the best search result

Some websites are known as Secure websites and some are unsecure. If a website is secure it means that any information on it or typed into it is encrypted (Turned into a special code that not everyone can see). If it is unsecure information on it can be seen and copied.