## Internet Research & Networks Knowledge Organiser

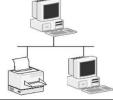
<u>Prior Learning:</u> search engines such as Google, Bing and Yahoo, web links, blog posts, online and offline, SMART rules, what a web browser is, email is a good form of communication, how to use a search engine to find a picture, personal information should be kept private from strangers online

### Facts

### 1. What is a network?

- A network is a number of things that are connected together in some way.
- You frequently use networks in everyday life. Some examples of networks you will be familiar with are the railway network and road network.
- Both of those networks connect towns and cities.





# What is the World Wide Web (WWW)?

- Tim Berners-Lee, a British Scientist, invented the World Wide Web (WWW) in 1989 and designed it in 1991.
- It is more commonly known as the web.
- It is a network of online content that is formatted in HTML.
- HTML is the standard language used for documents online.



# 3. How do search engines work?

- To find what you're after, a search engine will scan its index of webpages for content related to your search.
- A search engine makes this index using a program called a 'web crawler' or 'web spiders'.
- This automatically browses the web and stores information about the pages it visits.



## Vocabulary

- search engine a program that searches for items in a database that link to keywords specified by the user.
- communication exchanging of information by speaking, writing or other mediums.
- 4. bookmark a shortcut saved to specific webpage.
- 5. digital footprint a trail of data you create while using the internet. It includes the websites you visit, emails you send and information you submit online.

# 4. How do search engines display your results?

- Search engines sort results to show you the ones they think are the most useful.
- Different search engines use different algorithms. This means that some sites will give their results in a different order, or they may even show completely different results altogether.
- Usually the top links are the most relevant to your search.
- However, it is often worth scrolling down the page because you might find something better further down.
- Sometimes the top links are adverts for companies who have paid to be listed at the top.