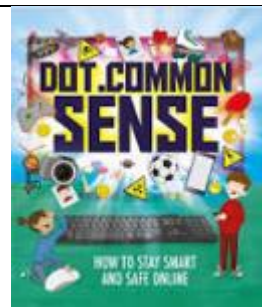


Holmer C of E Academy

Year 6 – Computing systems and networks – Communication – pupils will learn that the WWW can be used as a communication tool, how to find information on the WWW using search engines, what influences searching, and comparing different search engines.

What should I already know?	Vocabulary	
- I can explain that systems are built using a number of parts. - I can describe that a computer system features inputs, processes and outputs. - I can explain that computer systems communicate with other devices. - I can identify tasks that are managed by computer systems. - I can identify human elements of a computer system. - I can explain the benefits of a given computer system. - I can recognise that data is transferred using agreed methods. - I can explain that networked digital devices have unique addresses. - I can explain that data is transferred over networks in packets. - I can recognise that connected digital devices can allow us to access shared files online. - I can send information over the internet in different ways. - I can explain that the internet allows different media to be shared. - I can suggest strategies to ensure successful group work. - I can make thoughtful suggestions on my group's work. - I can compare working online with working offline. - I can identify different ways of working together online. - I can recognise that working together on the internet can be public or private. - I can explain how the internet enables effective collaboration.	Search engines	Front End user platforms containing algorithms written specifically to rank results in favour of sponsors who financially benefit from the results.
	Web crawlers	Algorithms sent out from the search engines to locate and bring back web sites.
	Search filters	These are choices that are set by the user end of search engines – at their basic (all, images, videos, shopping etc)
What will I know by the end of the unit?		
- I can complete a web search to find specific information. - I can refine my search. - I can compare results from different search engines. - I can explain why we need tools to find things online. - I can recognise the role of web crawlers in creating an index. - I can relate a search term to the search engine's index.	Ranking	The listing of websites, ordered by either: the fit of the search, websites which earn money from their ads and from users purchasing items from the ranked website.
	Relevant Reads	

- I can explain that search results are ordered.
- I can explain that a search engine follows rules to rank relevant pages.
- I can suggest some of the criteria that a search engine checks to decide on the order of results.
- I can describe some of the ways that search results can be influenced.
- I can recognise some of the limitations of search engines.
- I can explain how search engines make money.
- I can explain the different ways in which people communicate.
- I can identify that there are a variety of ways of communicating over the internet.
- I can choose methods of communication to suit particular purposes.
- I can compare different methods of communicating on the internet.
- I can decide when I should and should not share.
- I can explain that communication on the internet may not be private.



1. Which of the following are search engines?
 - a) Google
 - b) Windows
 - c) YouTube
 - d) DuckDuckGo
 - e) Bing

2. If you enter the same search term in different search engines, which of the following statements is true?
 - a). you get the same results in the same order.
 - b). you get the same results in a different order.
 - c). you get different results.

Explain your answer.

3. Which of these search terms would likely to return the fewest results?

- a. Car
- b. Red car
- c. Red sports car

Explain your answer.

Complete the following sentence using the words below.

Selection ranking

_____ explains which web pages a search engine displays.

_____ explains the order in which they are displayed.