

Computer Scientists use computational thinking and creativity to understand and change the world

using <u>search engines.</u> -A search engine is a program that finds websites &

webpages based on key words entered by the user.

-When the World Wide Web was invented by Tim

Berners-Lee in 1989, there was only 1 website. Now

there are over 1 billion! The World Wide Web is a big

place, and we need search engines to be able to find

what we need.

-Some examples of search engines are Bing, Google,

Yahoo, DuckDuckGo and Kiddle.

-You can also type searches into the address bar of the

browser (e.g. Google Chrome or Microsoft Internet

Explorer)

St White's Primary School - Computing

Phase: UKS2

## Topic: Communication and collaboration



bing

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Ask

Aol. Bai📸 🛙 😰

Search

Go

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YAHOO!



Key prior learning is highlighted in green, but must be revisited and reinforced during this teaching sequence.						
Overview		Selecting and Ranking Search Results				
	Searching and Communicating	Selecting Search Results	Ranking Search Results			
	- T <u>he internet is a network of networks.</u> The <u>World Wide Web</u> is the part of the internet	-Search engines use programs known as crawlers to index the World Wide Web.	-Search engines ' <u>rank'</u> the web pages (the highest ranked page is at the top).			
	where we can visit <u>websites</u> and <u>webpages</u> . -The World Wide Web can be used to find	-They 'crawl' websites for searchable information – they then store where it is found in a huge index.	-Search engines use <u>algorithms</u> to do this – algorithms look at a number of different factors and give web pages a score for each.			
-т	information, using <u>search engines.</u> The internet is also a useful <u>communication tool</u> –	-Search engines select information from this index when we type in key words.	-The web page with the highest score ranks the highest.			
C B	with a number of different communication mediums for a range of different purposes.	-Searching for some search terms can bring many <u>millions of results.</u>	-Some factors include if the search term is in the title of the page (high points) or if it appears in the paragraphs of the text on the			
		-We need to make sure that our search page (lower points).				
Search Engines - Introduction		terms are as <u>refined</u> as possible, in order to allow the search engine to select the	-Web designers consider algorithms when			
-We can find information on the	e World Wide Web by 🦰 🦰 hinor	1 · · · · · · · · ·	and a believe a state of a second state of a			

## **Online Communication**

-Communication is when we share information with one another. We can communicate in lots of different ways on the internet, e.g. messaging services, emails, social media, video calling, blogging/vlogging and gaming platforms.

-Public communication is visible to all, whilst private communication is restricted to only some people.

-Some communications are one-way (e.g. Youtube) whilst others are two-way (e.g. Skype).

-Some communications are to one person, whilst others are to many.

-We should consider which type of communication is most appropriate to our needs safes, and ashiss.

Search Engine	Refine	Index	Web Crawler	Ranking	Links Searching	Communication
	Public	Private	SMS	Blog	World Wide Web	