Bomere and the XI Towns Federation Knowledge Organiser - Computing

Selecting and Ranking Search Results

Class/Year Groups: Wrekin

What you will learn:

Selecting Search Results

found in a huge index.

-Search engines use programs known as

crawlers to index the World Wide Web.

information - they then store where it is

-Search engines select information from

this index when we type in key words.

-Searching for some search terms can

-We need to make sure that our search

terms are as refined as possible, in order

bring many millions of results.

-They 'crawl' websites for searchable

Topic: Computing systems and networks -

Communication and collaboration

What you already know?

This unit progresses childrens' knowledge and understanding of computing systems and online collaborative working. They should already know that the internet is a network of networks. They should also know that the World Wide Web is the part of the internet where we can visit websites and webpages

			to allow the search engine to select the information that is most relevant.	- <u>Web designers</u> consider algo making when pages.	rithms when	
Search Engines - Introduction			Online Communication			
-We can find information on the World Wide Web by using <u>search engines.</u>	G	🕨 bing	-Communication is when we <u>share information with one another</u> . We can communicate in lots of different ways on the internet, e.g. messaging services, emails, social media, video calling and gaming platforms. - <u>Public communication</u> is visible to all, whilst <u>private communication</u> is restricted to only some people.			
-A search engine is a program that <u>finds websites &</u> webpages based on key words entered by the user.	Aol.	Bai都百度			f	
-When the World Wide Web was invented by Tim Berners-Lee in 1989, there was only 1 website. By 2018, there were 1,630, 322, 579! <u>The World Wide</u>		Yandex				
Web is a big place, and we need search engines to be able to find what we need.	YAHOO! Ask		-Some communications are <u>one-way</u> (e.g. Y two-way (e.g. Skype).	outube) whilst others are		
 -Some examples of search engines are Bing, Google, Yahoo, DuckDuckGo and Kiddle. -You can also type searches into the address bar of the <u>browser</u> (e.g. Google Chrome or Microsoft Internet Explorer). 	Search		-Some communications are to <u>one person</u> , v -We should consider which type of commun our <u>needs, safety and privacy.</u>			

Vocabulary:						
Inking Search Results Ranking Search Results -Search engines 'rank' the web pages (the highest ranked page is at the top). -Search engines use algorithms to do this –	search engine	a program that finds websites & webpages based on key words entered by the user.				
algorithms look at a number of different factors and give web pages a score for each. -The web page with the highest score ranks the highest. -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 page (lower points).	World Wide Web	the part of the internet where we can visit websites and webpages.				
- <u>Web designers</u> consider algorithms when making when pages.	algorithms	look at a number of different factors and give web pages a score for each.				
on the internet, e.g. messaging and gaming platforms. st <u>private communication</u> is Youtube) whilst others are	communication	when we share information with one another				
whilst others are to <u>many.</u>						

Term: Autumr



National Curriculum Objectives:

- Understand computer networks, including the internet; how they can provide multiple services, such as the World Wide Web, and the opportunities they offer for communication and collaboration
- Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information
- Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact

