Subject Theme Overview   Year 5   Charlton Kings Junior School

C.K.J.S

| **Subject** | Computing | **Theme** | Search Technology | **Term** | 3 |

What should I already know?
• How to locate information on the search results page.
• How to use search effectively to find out information.
• How to assess whether an information source is true and reliable.

What should I know by the end of the unit?
• Search specifically with knowledge of meta tag technology and google terms to return the most useful source.
• Web spiders' role in search engines.
• To understand that web spiders index the web for search engines.
• Appreciate how web pages are ranked in a search engine.
• Understand how we view web pages on the internet
• To use search technologies effectively using key words in search engines to get granular results.
• To complete research using a search engine.

Key Vocabulary	
Data Packet	A data packet is a unit of data made into a single package that travels along a given network path.
DNS (Domain Name Server)	They are the Internet's equivalent of a phone book. They maintain a directory of domain names and translate them to Internet Protocol (IP) addresses.
IP Address	A unique string of numbers separated by full stops that identifies each computer using the Internet Protocol to communicate over a network.
Index	The indexes on the web are created, not by a human but by programs called web spiders. They spend their time crawling across web pages looking for information.
Meta Tag	This is a special HTML tag that is used to store information about a Web page but is not displayed in a Web browser. For example, meta tags provide information such as what program was used to create the page, a description of the page, and keywords that are relevant to the page. Many search engines use the information stored in meta tags when they index Web pages.
Router	Much of the work to get a message from one computer to another is done by routers, because they're the crucial devices that let messages flow **between networks.**
Search Engine	A program that searches for and identifies items in a database that correspond to keywords or characters specified by the user, used especially for finding particular sites on the World Wide Web.
Server	A server is a computer that serves information to other computers. They allow you to surf the internet.
Web Spider	A search engine has an index of all the things stored on the WWW. The indexes on the web are created, not by a human but by programs called web spiders. They spend their time crawling across web pages looking for information.
WWW (World Wide Web)	The internet is an infrastructure of all the computers and other devices such as servers and routers networked together to form the internet, and the WWW is the collection of web pages held on the internet in servers.