Year 5 Thinking like a computer scientist

Networks

Key Knowledge:

- **Search engines are used in various browsers (Chrome, Edge, Firefox) This is the key way that the internet and resources available on the internet are accessed.**
- **Search engines refer to the way the information is found, this is often through searching keywords or phrases**
- **Webpages are designed to fulfil a specific purpose. As previously discussed, some may list items that can be bought, whilst others provide key information about a given topic**
- **Keywords are important to ensure your webpage reaches the desired audience.**



Keyword	Definition
Search engine	A **search engine** is a **website that helps you find information on the internet**.
spiders	A **spider** is a special computer program that goes around the internet looking at web
index	An **index** is a **giant list** of all the web pages the spider has found. It helps the search engine **remember** where everything is so it can find it quickly when someone searches.
ranked	Websites are ranked in order of most useful to least useful to show the most popular or
Ranking algorithm	A **ranking algorithm** is a set of **rules** the search engine uses to **decide which pages should come first**.
keyword	A **keyword** is a **word or short phrase** that tells the search engine what you want to

Learning Questions

What is the internet and how does it work?

How is the internet accessed and what does this look like within school and home?

What are search engines and how can they be used efficiently?

What features does a website require to increase its ranking?

How can a webpage be designed to rank highly in search engines?

How can I assess the success of my webpage?

What else do you know?