

# Computing — Year 5 (Autumn)

## Using Search Engines

### Key vocabulary to remember and use in your learning

search engine	A tool to find information online.
image search	A function that allows you to find images (pictures) online.
server	A place where information is stored online.
webpage	A hypertext document online.
hypertext	Text that is shown on a computer display; it can often have links to other webpages and images embedded in it.
web crawler	Bring an image forward or send it back so that it can be overlapped.
verifying	To check if information is accurate.

### Online Safety—Verifying Information Online

Some of the information that we see online may not be completely true or accurate, accidentally or on purpose. This is because anyone can set up a website or social media account and write what they want. It is important to learn ways of checking if what you read online is true.



**AS WE MAY THINK**  
A TOP U.S. SCIENTIST FORESEES A POSSIBLE FUTURE WORLD

### As We May Think (1945)

The concept of hypertext and a memory extension really came to life in July of 1945, when after enjoying the scientific camaraderie that was a side effect of WWII, Vannevar Bush's *As We May Think* was published in *The Atlantic Monthly*. He urged scientists to work together to help build a body of knowledge for all mankind.

### Key knowledge to know and use

- The internet and the World Wide Web are different from each other
- The web (World Wide Web) is the pages/websites that you see on your device
- The internet is the connections between different computers and information storage servers
- We can find information online using a search engine, by typing in a key word, but we can also use advanced search tools to find more specific information
- A search engine will scan an index (like a contents page) of webpages for content related to your search
- A search engine makes this index using a program called a 'web crawler' which browses the web to find what you are looking for
- Not all the information we find online is accurate

**1990**– The first search engine is Archie. A year after they invented the world wide web (WWW), the early search engine crawled through an index of downloadable files. However, the limited data made only the listings available, not the content.

