

# Year 5 Autumn 1 Computing – Search Engines



## Big Question

How can I search effectively?

### Key Vocabulary for the unit:

**Website:** A series of web pages and other content, which can be discovered and read through an internet browser.

**Search engine:** A way for a user to search the internet's database of information.

**WebCrawler:** A program that uses keywords to search the WWW in a logical and systematic way to find the most suitable results for the user.

**Index:** A computer saves key information about previously searched results, to make this quicker next time they are accessed.

**WWW:** The acronym used to express the 'World Wide Web'.

**Page rank:** Web pages are sorted in an order to give the user the most suitable results at the top of the list, the first result could be considered rank one.

**TASK:** Title, Author, Summary, Kids.

**Data Leak:** When information is released without approval from the owner or creator.

**Data privacy:** The right to keep information private.

**Fake news:** False and inaccurate information that is shared in a convincing way, usually on social media and in websites.

**Inaccurate information:** When information is false and untrue.

### Powerful knowledge/skills for this unit:

- ◆ To know how search engines work.
- ◆ To understand that anyone can create a website and therefore we should take steps to check the validity of websites.
- ◆ To know that web crawlers are computer programs that crawl through the internet.
- ◆ To understand what copyright is.

### What I should already know from Year 4:

- ◆ I understand that computer networks provide multiple services.
- ◆ I can use online software for a variety of reasons. I can use software to work collaboratively.
- ◆ I can recognise what appropriate behaviour is when collaborating online.

### Useful diagrams for the unit:

The diagram shows a search engine interface for 'Kapowiverse'. At the top, the word 'Kapowiverse' is written in a green, stylized font. Below it is a search bar with the text 'Dinosaurs' and a 'Go' button. A red callout box labeled 'Search bar' points to the search bar. Below the search bar are navigation tabs for 'All', 'Images', 'Videos', and 'News'. A red callout box labeled 'Company Logo' points to the 'DINO' logo in the first search result. The first search result is for 'Dino website' with the URL 'https://www.dino.earth'. A red callout box labeled 'Hyperlink' points to the URL. Below the URL is a video player with a play button and the word 'DINO'. A red callout box labeled 'Keywords' points to the text 'Dinosaur directory A-Z Dinosaurs'. The second search result is for 'Jurassic time line' with the URL 'https://www.Jurassic\_history'. A red callout box labeled 'Fake news' points to the text 'A sauropod herbivorous dinosaur has been captured in the centre of London city! Book your ticket for just £1,000 today!'. Below this is the text 'Apatosaurus Dinosaur Sighting'.