

Computing – Computing Systems & Networks Search Engines

What I should already know: I can search for appropriate images to use in a document. I can understand what online information is. I can log in and out of an email account. I can write an email including a subject, 'to' and 'from'. I can send an email with an attachment. I can reply to an email.

Enquiry Questions

- What is a search engine and how do we use one?
- Is everything we see online true?
- How can we search effectively on the internet?
- Can we create an informative poster?
- How do search engines work?

Key Vocabulary

Algorithm – A sequence of instructions which, when followed, solve a problem.

Company logo – A symbol or motif, used to represent an organisation, so that it can be identified quickly and easily in a busy environment online or in the real world.

Data leak – When information is released without approval from the owner or creator.

Data privacy – The right to keep information private and away from those you do not wish to have access.

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.

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

Keywords (internet) – A set of words used to define and produce an accurate search engine result.

Network – When more than one electronic device is connected in a network through the internet or a local connection in order to share files and information.

Online – When a person is accessing the internet through an electronic device.

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

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

TASK – Title, Author, Summary, Kids.

Web crawler – A program that uses keywords to search the WWW in a logical and systematic way to find the most suitable results for the user.

Website – A series of web pages and other content, which can be discovered and read through an internet browser, that all belong to a single domain name. For example, Google. The main place where particular web pages can be viewed or accessed.

WWW – The acronym used to express the 'World Wide Web'. It is found at the beginning of website addresses e.g. www.kapowprimary.com

Computing Skills

Pupils will:

Using Email and Internet Searches

- Develop searching skills to help find relevant information on the internet.
- Learn how to use search engines effectively to find information, focusing on keyword searches and evaluating search returns.

Wider Use of Technology

- Learn about different forms of communication that have developed with the use of technology.

Digital Literacy

- Recognise that information on the internet might not be true or correct and learn ways of checking validity.

Computing Skills and Networks

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

Useful Images

Kapowiverse x Dino x

← → ↻ 🏠 🔒 https://www.kapowiverse.com ☆

Kapowiverse

Search bar

Search... Dinosaurs Go

All 🌐 Images 🖼️ Videos 🎬 News 📄

🔒 <https://www.dino.earth> **DINO** Company Logo
Dino website
Watch and learn about different dinosaurs.
[Dinosaurs](#) [T-Rex](#) [Jurassic history](#)

🔒 <https://www.dinosaurdirectory> Hyperlink
A-Z Dinosaur names library
What can you learn about all of the dinosaurs from A-Z?
[Dinosaur directory](#) [A-Z Dinosaurs](#) Keywords

🔒 https://www.Jurassic_history Keywords
Jurassic time line
How did dinosaurs become extinct? Explore all of the key dinosaur facts here!
[Jurassic time line](#) [Dinosaurs](#)

⚠️ http://www.London_apatosaurus Fake news
Apatosaurus sightings
A sauropod herbivorous dinosaur has been captured in the centre of London city! Book your ticket for just £1,000 today!
[Apatosaurus](#) [Dinosaur Sighting](#)

Links to other curriculum areas: PSHE – Online safety: checking the validity of information online.