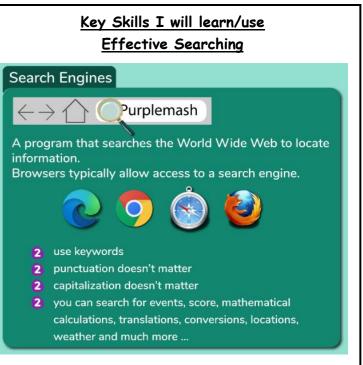
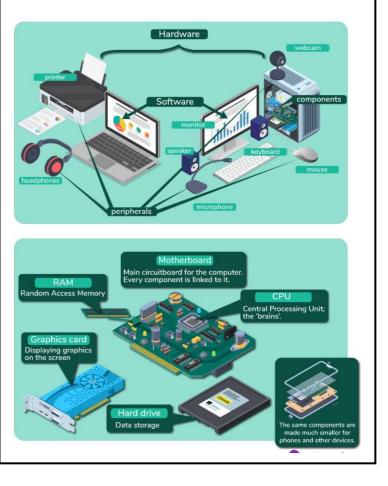
<ul> <li>What I will have learnt by the end of this unit</li> <li>Unit 4.7 - Effective Searching</li> <li>To locate information on the search results page.</li> <li>Children can structure search queries to locate specific information.</li> <li>To use search effectively to find out information.</li> <li>Children have used search to answer a series of questions.</li> <li>Children have written search questions for a friend to solve.</li> <li>To assess whether an information source is true and reliable.</li> <li>Children can analyse the contents of a web page for clues about the credibility of the information.</li> <li>Unit 4.8 Hardware Investigators</li> <li>To understand the different parts that make up a desktop computer.</li> <li>Children name the different parts of a desktop computer.</li> <li>To recall the different parts that make up a computer.</li> <li>Children have created a leaflet to show the function of computer parts.</li> </ul>		<ul> <li>What I will have learnt by the end of my Key Stage</li> <li>Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</li> <li>Use sequence, selection, and repetition in programs; work with variables and various forms of input and output</li> <li>Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</li> <li>Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration</li> <li>Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</li> <li>Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and</li> </ul>		
		<ul> <li>presenting data and information</li> <li>Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</li> </ul>		
Key QuestionsWhat is a search engine?A search engine is a piece ofsoftware that allows the user tofind and display pages from theWorld Wide Web.What is the differencebetween hardware andsoftware?Hardware refers to the physicalparts of a computer or device.The parts inside the computercasing are often calledthe components. The parts that		teristics) and contrasting countries the same rd World for kids   look like in the future.   Safe Search	<ul> <li>What I have already</li> <li>Understand what algorithms are as programs on digital devices; by following precise and unambite</li> <li>Create and debug simple programe</li> <li>Use logical reasoning to predict programs</li> <li>Use technology purposefully to manipulate and retrieve digital</li> <li>Recognise common uses of infor school</li> <li>Use technology safely and resp information private; identify wh support when they have concert on the internet or other online</li> </ul>	e; how they are implemented and that programs execute iguous instructions ams t the behaviour of simple create, organise, store, content rmation technology beyond ectfully, keeping personal here to go for help and ns about content or contact
are attached to the computer case are called peripherals. Software describes the programs that run on the computer.	Key Concepts/Strands • Computing Science • Information Technology • Digital Literacy	Literacy- I can use my	vledge that I may use from other subjects literacy skills to read and input data my mathematical skills to read and graphs	<u>Recall and remember</u> Quiz unit 4.7 Quiz unit 4.8

• Digital Literacy



## Hardware Investigators



## Key Vocabulary Unit 4.7 Effective Searching

### **Balanced View**

Presenting opposing points of view fairly and without bias. **Internet** 

A global computer network providing a variety of information and communication facilities.

#### Easter eggs

An unexpected or undocumented feature in a piece of computer software or on a DVD, included as a joke or a bonus.

#### Key words

A word or a group of words an Internet user uses to perform a search in a search engine. Reliability

## The degree to which the

result of something can be depended on to be accurate.

## Results page

Where the answers to a search are displayed.

#### Search engine

A program that searches for and identifies items in a database. Used especially for finding sites on the World Wide Web. Key Vocabulary Unit 4.8 Hardware Investigators

#### Components

Parts inside the computer casing. CPU The 'brains' of the computer, where all the calculations take place. **Graphics Card** Also known as a video card and used for displaying images. Hard Drive Where the computer stores all your documents, pictures, games and videos. Input How information enters the computer. Motherboard Main printed circuit board of the computer. Network Card Used to connect the computer to a network such as the Internet. Output Where information leaves the system. Peripherals Parts that are attached to the computer case. RAM Allows programs to store information to help the computer run quickly. Software The programs that run on the computer.

#### <u>Key Knowledge</u>

## **Effective Searching**

To locate information on the search results page. To use search effectively to find out information. To assess whether an information source is true and reliable

## Hardware Investigators

To understand the different parts that make up a computer. To recall the different parts that make up a computer.



Motherboard



CPU





Graphics card

Network card



Speakers

Keyboard

# Key Images

