



## What I should already know:

- ◆ To have used the desktop computers, ipads and laptops to access the internet use software such as purplemash
- ◆ To have searched within the computer documents or purplemash for something specific



Junior

## By the end of this unit:

- Children will know how to find an image or information to help them with their own work.
- Children will know that a keyword or phrase will make their search more specific
- Children will know how to use a qr code to directly link them to a webpage.

## Key Information:

Children will appreciate that the internet is vast with the amount of information it holds. Not all of this information is easy to read and some of it might not be appropriate for their age. The children will know of some safe web search tools that they can use to access information they need, safely.

## Vocabulary

<b>Image</b>	A picture or photograph of someone or something
<b>Encyclopaedia</b>	an <b>encyclopaedia</b> accessible through the <b>internet</b> containing articles on various topics, usually in alphabetical arrangement, covering all branches of knowledge or, all aspects of one subject.
<b>keyword</b>	A single word used to search the internet for information
<b>information</b>	facts provided or learned about something or someone.
<b>internet</b>	A global computer network providing a variety of information and communication facilities, consisting of interconnected networks and computers.
<b>research</b>	An inquiry or investigation of information about a subject
<b>QR code</b>	A machine-readable code consisting of an array of black and white squares, typically used for storing URLs or other information for reading by the camera on a smartphone
<b>specific</b>	Someone or something unique, distinctive or definite.
<b>website</b>	A set of related web pages located under a single name

## Links (Websites/Apps):

Junior safesearch

DKfind out

Kidrex.org

Mr Haughton's Infant encyclopaedia



**What I should already know:**

- ◆ I can locate safe search engines
- ◆ I can use a keyword or phrase to make my search more specific



**By the end of this unit:**

- Children will know how to copy and paste a link to a website into a new browser tab
- Be able to navigate a website using links or the favourites bar
- Children will know how to copy and paste an image from the internet into software such as publisher
- Children will know how to download an image to a device

**Key Information:**

Children will know that they can follow a given link or favourite website to complete their research.

They will be able to compile images or text from websites by copying and paste or downloading the information

They will be able to navigate between open documents and more than one internet browser tab

**Vocabulary**

<b>address bar</b>	a text box in a web browser displaying the address of the web page that is currently being viewed.
<b>Copy</b>	reproduce data such as text or an image stored in one location to another location.
<b>encyclopaedia</b>	an <b>encyclopaedia</b> accessible through the <b>internet</b> containing articles on various topics, usually in alphabetical arrangement, covering all branches of knowledge or, all aspects of one subject.
<b>favourites</b>	a record of the address of a website or other data made to enable quick access. Sometimes called a bookmark
<b>links</b>	In <b>computing</b> , a hyperlink, or simply a <b>link</b> , is a reference to information that the reader can follow by clicking or tapping.
<b>navigate</b>	Find your way around
<b>paste</b>	Just like you can paste a note on a sheet of paper, you can paste data into a document on a computer. It can be used to paste copied data into text documents, images, Web browser address fields, and just about any place where you can enter data.
<b>tab</b>	An example of a tab is the part of an internet browser window that shows other websites that you are currently using.

**Links (Websites/Apps):**

- |                   |                                    |        |
|-------------------|------------------------------------|--------|
| Junior safesearch | DKfind out                         | kiddle |
| Kidrex.org        | Mr Haughton's Infant encyclopaedia |        |



## What I should already know:

- ◆ I can locate safe search engines
- ◆ I can use a keyword or phrase to make my search more specific
- ◆ I can navigate between webpages using tabs
- ◆ I can save an image by either downloading it or copying and pasting it into publishing software



## By the end of this unit:

- Children will know how to participate in a lesson using the kahoot and quizizz website
- Children will know how to complete a quiz created by their teacher
- Children will be able to use questions to search for information
- Children will be able to compare websites
- Children will be able to use the popplet app to make a mindmap of ideas combining information they have gathered from their internet research

## Key Information:

Children will become active participants in whole class quizzes . Once they know how to access the quizzes this can be applied to any curriculum subject. Children will continue to use a variety of internet based encyclopaedias to research and consider the different ways they can make note of their research such as the mind map app they will be exploring.

## Vocabulary

<b>compare</b>	Find the similarities or differences between two or more people or things
<b>Key search questions</b>	A question used to search for information
<b>mindmap</b>	A mind map is a diagram used to visually organize information
<b>quiz</b>	A test of knowledge, especially as a competition between individuals or teams as a form of entertainment.
<b>scanning</b>	Scanning is reading a text quickly in order to find specific information, e.g. figures or names.
<b>skimming</b>	The action of reading something quickly so as to note only the important points.

## Links (Websites/Apps):

Britannica kids

DK find out

Popplet

Kahoot

Simple Wikipedia

History for kids.net

quizizz



**What I should already know:**

- ◆ I can locate safe search engines & use a keyword or key search question
- ◆ I can navigate between webpages using tabs
- ◆ I can save an image by either downloading it or copying and pasting it into publishing software or app
- ◆ I can participate in a whole class quiz using an app



**By the end of this unit:**

- Children will know how to use the tools within google images to change the type of image they search for
- Children will be able to input data gathered from digital surveys or internet research into a spreadsheet tool
- Children will be able to create bar graphs and line graphs using a spreadsheet tool
- Children will be able to follow and create their own branching database.

**Key Information:**

Children will explore a variety of software and apps that gather and interpret data. They will create different charts including branching databases. They will understand that the spreadsheets are perform calculations and can make predictions.

**Vocabulary**

<b>Branching database</b>	A branching database (sometimes called a binary tree) is a way of classifying a group of objects.
<b>clipart</b>	Simple pictures and symbols made available for computer users to add to their documents
<b>database</b>	A database is a computerised system that makes it easy to search, select and store information.
<b>GIF</b>	a lossless format for image files that supports both animated and static images. GIF stands for 'graphic interchange format'
<b>graph</b>	The definition of a graph is a diagram showing the relationships between two or more things.
<b>Line drawing</b>	A drawing done using only narrow lines, without blocks of shading.
<b>Lossless</b>	Lossless compression reduces a file's size with no loss of quality
<b>spreadsheet</b>	An electronic document in which data is arranged in the rows and columns of a grid and can be manipulated and used in calculations

**Links (Websites/Apps):**

Google images	2calculate	Kahoot
j2data	excel	quizizz



**What I should already know:**

- ◆ I can locate safe search engines & use a keyword or key search question
- ◆ I can save an image by either downloading it or copying and pasting it into publishing software or app
- ◆ I can participate in a whole class quiz using an app
- ◆ I can input data into a spreadsheet and create a graph



**By the end of this unit:**

- Children will be able to compare 2 search engines and make a selection of the most appropriate based on the tools they provide
- Children will know how to organise data by designing fields and records in a database
- Children will be able to search within a database using 'greater and less than', 'equal to' and 'contains'
- Children will be able to add formula to spreadsheets
- Children will know how to use the filters to sort information

**Key Information:**

The children will use their previous experience and knowledge to make comparisons between google and bing. Depending on their search they can decide which is the most appropriate search engine for their current task.

They will become increasingly confident when using spreadsheets and learn how to manipulate and interpret the data.

**Links (Websites/Apps):**

Google images	airtable	Create a graph	Kahoot
Bing images	excel		quizizz

**Vocabulary**

<b>Branching database</b>	A branching database (sometimes called a binary tree) is a way of classifying a group of objects.
<b>contains</b>	To have a detail within. In a spreadsheet each cell may contain either numeric or text data, or the results of formulas
<b>database</b>	A database is a computerised system that makes it easy to search, select and store information.
<b>Equal to</b>	The equal to operator (=) returns TRUE if two values are equal to each other
<b>field</b>	Each item of information in a database record, such as a telephone number or street number, is referred to as a field
<b>filter</b>	Filtering data in a spreadsheet means to allow only certain data to be displayed. This function is useful when you want to focus only on specific information in a large dataset or table. Filtering doesn't remove or modify data; it just changes which records appear on your screen
<b>formula</b>	A formula is an expression telling the computer what mathematical operation to perform upon a
<b>Greater and less than</b>	The greater than operator returns TRUE if the first value compared is larger than the second. The less than operator returns TRUE if the first value is smaller than the second.
<b>records</b>	In database terminology, a record holds all the information or data about one specific object in the database
<b>spreadsheet</b>	An electronic document in which data is arranged in the rows and columns of a grid and can be manipulated and used in calculations



**What I should already know:**

- ◆ I can locate safe search engines & use a keyword or key search question
- ◆ I can save an image by either downloading it or copying and pasting it into publishing software or app
- ◆ I can input data into a spreadsheet, create a graph, sort and filter the data
- ◆ I can select the most appropriate search engine for the task I'm completing



**By the end of this unit:**

- Children will be able to create a hyperlink to a website from publishing/presenting software
- Children will be able to use advanced search tools
- Children will be able to identify irrelevant, biased or implausible information
- Children will be able to present their research using software such as MS powerpoint
- Children will be able to support their findings using spreadsheets and graphs

**Key Information:**

The children will use their previous experience and knowledge to select the best search engine. They will learn how to compete an advanced search. Using their database skills and internet research they will present their findings using presentation software. Their findings will be supported with information, images, graphs and hyperlinks.

**Links (Websites/Apps):**

Google images	yahoo	powerpoint	Kahoot
Bing images	excel	quizizz	

**Vocabulary**

<b>Advanced search</b>	Advanced search options are a set of filters offered by most search engines on the web. They narrow the scope of a search query to eliminate irrelevant information to help you find
<b>Biased</b>	unfairly showing favouritism towards something or someone
<b>filter</b>	Filtering data in a spreadsheet means to allow only certain data to be displayed. This function is useful when you want to focus only on specific information in a large dataset or table. Filtering doesn't remove or modify data; it just changes which records appear on your screen
<b>Formula</b>	A formula is an expression telling the computer what mathematical operation to perform upon a specific value.
<b>Hyperlinks</b>	a link from a hypertext document to another location, activated by clicking on a highlighted word or image.
<b>Irrelevant</b>	not connected, doesn't apply with or relevant to something.
<b>implausible</b>	Something that is unlikely to be true.
<b>Presenting software</b>	A presentation software is a computer software package used to show information, normally in the form of a slide show. It mostly includes three major functions: an editor that allows text to be inserted and formatted, a method for inserting and manipulating graphic images and a slide-show system to display the content