

Year 4 Creating and Interrogating Simple Databases Knowledge Organiser v4

Key words and prior learning from year 3 - Creating a Branching Database and Interrogating Simple Databases

Branching/Binary Database - a way of classifying a group of objects

Record - fields and data about one thing in a database

Database - a way of storing and organising information

Form View - shows you an individual record about one thing

Table View - shows you more than one record in rows

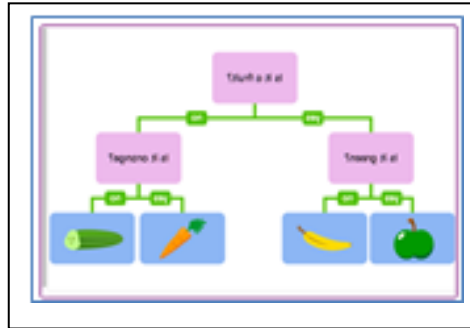
Field Name - the title of data in a record or table

Data Types - the options the answers can be displayed as. This can be letters, words, images, numbers or a mixture of them

Sort - putting data into an order for example alphabetical or numerical

Simple Search - when you look for one criterion at a time

Complex Search - when you look for more than one criterion at a time using AND OR



Who uses skills like these?

- Shopworkers to organise stock
- Police to track crime and people
- Engineers to develop new designs and products
- Scientists to investigate, discover and analyse new things
- Doctors and nurses to track patient's health
- Computer game designers to store information about players and competitions



Breed	Image	Size	Rarity	Good temper	Cuteness	Top trumps rating
Wolf		6	10	2	27	99
Staffordshire Bull Terrier		3	4	5	14	60
Shih Tzu		2	7	5	25	35
Saint Bernard		6	8	4	25	94

Key Learning	Self-Assessment		
	WT	A	WA
I understand the differences between a paper based and electronic database			
I understand why it's important for answers in a database to use the same units and data types			
I can create appropriate questions to gather useful data that is fit for purpose			
I can enter data accurately into a database record			
I can sort and search through information, using more than one criterion, to answer specific questions			
I can produce charts to compare and interpret data			

New key words we will use in year 4 'Creating and interrogating simple databases'

Paper Database - data recorded on paper

Electronic Database - data recorded on a computer

Boolean Operators - Using the words AND, OR and NOT to link or exclude key words in a search, to make the results more useful and focused

Data - raw and unorganised facts which seem random and useless until organised

Information - Data that has been sorted and organised to make it useful

Data Protection Act 2018 - a set of rules which show us how to keep our own and other people's data safe

Discrete Data - data from counting separate items

Continuous data - data from measuring something

Chart - a chart displays discrete data

Graph - a graph displays continuous data