

In Year 4, you learnt:

Year 5



Knowledge Organiser: Computing

Data & Information – Flat-file databases

- data gathered over time can be used to answer questions
- a data logger collects 'data points' from sensors over time
- computers can capture data from the physical world using input devices called 'sensors'
- sensors can be connected to data loggers, which can automatically collect data while not attached to a computer

Key Vocabulary

database	order	chart
data	group	axis
information	field	compare
record	search	filter
field	criteria	
sort	graph	

Forename	Surname	Age	Test	Results
Kit	Kline	37	Pulse	75
Kit	Kline	37	Blood Pressure	105/76
Kat	Kline	37	Respiration	45
Rose	Jenner	25	Pulse	81
Rose	Jenner	24	Respiration	50

Duplicated data.
Highlights show
typing errors made
during data entry.

Using my records I have worked out that _____.

Possible improvements to my manual database could

Include _____.

A difference between sorting data in form view compared to table view is _____.

In my opinion a computer database is better than a paper database because _____.

The data in a database could be inaccurate because _____.

To sort this data, first you must _____ followed by _____ and you may need to _____.

Using 'AND' or 'OR' I have been able to work out _____.

In my opinion using a computer to create a

chart is beneficial because _____.

Key Facts

- grouping and then sorting data allows us to answer questions
- tools can be used to select specific data
- computer programs can be used to compare data visually
- a database is a collection of organised data that is stored on a computer

