Year 6—Data and information

Introduction to spreadsheets

Previous learning

Year 1 Data and information - Grouping data:

I know that object labels tell me what something is.

I know how to use object labels to sort and group objects.

Year 2 Data and information – Pictograms:

I know what a tally chart is and that it can be used to collected data by creating notches in a table.

I know that data can be input in software on a computer such as excel and then made into tables.

Year 3 Data and information – Branching databases:

I know that branch databases can be created using technology such as excel.

I know that branch databases are used to identify an object based on attributes.

I know that objects can be grouped using yes/no questions.

Year 4 Data and information – Data logging:

I know data is collected over time to show change.

I know data loggers are used to collect accurate scientific data.

Year 5 Data and information – Flat-file databases;

I know that databases are used to order data and make it easier to analyse.

I know that charts can be created using software such as excel to answer questions.

Know how to alter the program that a file is saved under, for example converting a word document into pdf or a JPEG into a PNG.

Key information

Data is used all of the time in and out of school.

Companies and schools can use data to know and track students results or to show what money has been spent on.

Technology makes it easier to compare this data which allows people to see where there is a mistake or how they can boost performance.

Spreadsheets are used a lot in business to track performance or sales, they use math and calculations that are programmed into the software.

Curriculum links

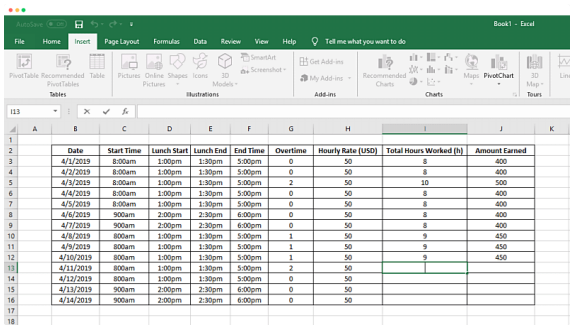
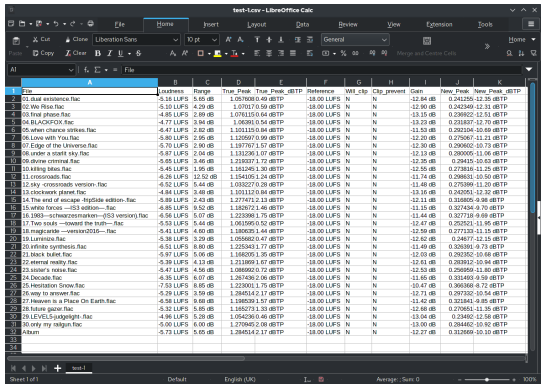
Maths

- Solve problems involving addition, subtraction, multiplication and division.

Key Vocabulary

Data	Facts and statistics collected together for reference or analysis.
Analyse	Examine something methodically and in detail, normally so you can explain it.
Spreadsheet	An electronic document which data is arranged in the rows and columns of a grid and can be manipulated and used in calculations.
Visual	How something looks.
Structure	The arrangement of and relations between the parts or elements of something complex.
Formula	A mathematical relationship or rule expressed in symbols.
Format	The way in which something is arranged or set out.
Duplicate	Make an exact copy of something.

Why are databases useful?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4/2/2019	8:00am	1:00pm	1:30pm	5:00pm	0	50	8	400
4/3/2019	8:00am	1:00pm	1:30pm	5:00pm	2	50	10	500
4/4/2019	8:00am	1:00pm	1:30pm	5:00pm	0	50	8	400
4/5/2019	8:00am	1:00pm	1:30pm	5:00pm	0	50	8	400
4/6/2019	9:00am	2:00pm	2:30pm	6:00pm	0	50	8	400
4/7/2019	9:00am	2:00pm	2:30pm	6:00pm	0	50	8	400
4/8/2019	8:00am	1:00pm	1:30pm	5:00pm	1	50	9	450
4/9/2019	8:00am	1:00pm	1:30pm	5:00pm	1	50	9	450
4/10/2019	8:00am	1:00pm	1:30pm	5:00pm	1	50	9	450
4/11/2019	8:00am	1:00pm	1:30pm	5:00pm	2	50		
4/12/2019	8:00am	1:00pm	1:30pm	5:00pm	0	50		
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4/14/2019	9:00am	2:00pm	2:30pm	6:00pm	0	50