GGA- Autumn Computing Knowledge Organiser for Year Five 5.3 Spreadsheets

Vocabulary

Columns	Boxes running vertically in a spreadsheet.
Rows	Boxes running horizontally in a spreadsheet.
Formula	A group of letters, numbers, or other symbols which represents a scientific or mathematical rule. The plural of formula is formulae.
Totalling tool	Adds up the value of every cell above it, next to it or diagonal to it according to which total tool is selected.
Data	A collection of information, especially facts or numbers, obtained by observation, questions or measurement to be analysed and used to help decision-making
Format	The way that text looks. Formatting cells is helpful for interpreting a cell's contents for example you might want to format a cell to show a fraction e.g. 4 ½ or include units such as £ or $.
Formula Bar	An area of the spreadsheet into which formulae can be entered using the '=' sign to open the fomula.

Skills that I am going to learn.

Know to use formulae within a spreadsheet to convert measurements of length and distance.

I can make my spreadsheet convert measurements

Know how to use a spreadsheet to model a reallife problem.

I can solve a real life problem using spreadsheet

Know how to use the count tool to answer hypotheses about common letters in use.

I can reveal how many of a given letter there is in my spreadsheet using the count tool

Key Resources

Key Questions

How would you add a formula so that the cell shows the product of two other cells?

What would you use in 2Calculate to have a cell that automatically calculates the number of days since a certain date?

Explain what a spreadsheet model of a real-life situation is and what it can be used for?

Why are we learning this?	Why is this important?
To be able to collect and present and analyse data	It is a way for us to understand the information we have gathered

GGA- Autumn Computing Knowledge Organiser for Year Five Databases 5.4

Vocabulary

Database	A set of data that can be held in a computer in a format that can be searched and sorted for information
Database Report	A way of producing a written paragraph that incorporates the data from the fields and records of the database.
Statistics	The study and manipulation of data, including ways to gather, review, analyse, and draw conclusions from data.
Collaborative	Produced by, or involving, two or more parties working together.
Field	A heading in a database record against which information is entered.
Group	Putting similar pieces of information together in a database so it is easy to read, understand and interpret.
Avatar	An icon or figure representing a person in a video game, Internet forum, etc.

Skills that I am going to learn.

Know how to search for information in a database.	Know how to contribute to a class database
I can find given information within the database	I can add my data on to the class database

Know how to create a database around a chosen topic.
I can make my own database to present data on a given topic

Key Questions

What is a database?

Why is the collaborative feature important?

In what ways can I sort information in a database?

Why are we learning this? / Why is this important?

Why are we learning this?	Why is this important?
To be able to interpret data in different formats	It is a way for us to be able to understand how to collect, sort and interpret data

Key Resources

Open, close or share a file	Design a new database
Add a record to the database	Find information in the database
Sort, group and arrange information	Statistics and reports
Represent the information as a chart	Table view of records