Knowledge Mat – Spreadsheets

Subject Specific Vocabulary				Sticky Knowledge
Advanced mode	A mode in 2claulcte in which the cells have references and can include formulae.	**Move cell tool**	This tool makes a cell's contents moveable by drag-and-drop methods.	To format cells as a currency, percentage, decimal to different decimal places or fraction.
Random tool	Click to give a random value between 0 and 9 to the cell.	**Rows**	Vertical reference points for the cells in a spreadsheet.	To use the formula wizard to calculate averages.
Average	Symbols used to represent comparing two values.	**Timer**	When placed in the spreadsheet, click the timer adds 1 to the value of the cell to its right every second until it is clicked again.	To combine tools to make spreadsheet activities such as timed times table tests.
Columns	Vertical reference points for the cells in a spreadsheet.	**Spin tool**	Clicking on this in a cell will increase or decrease the value in the cell by the right by 1.	To use a spreadsheet to model a real-life situation.
Cells	An individual section of a spreadsheet grid. It contains data or calculations.	**Equals tool**	Tests whether the entered calculation in the cells to the left of the tool has the correct answer in the cell to the right of the tool.	To add a formula to a cell to automatically make a calculation in that cell.
Spreadsheet	A computer program that represents information in a grid or rows and columns.	**Formula**	Use the formula wizard or type into the formula bar to create a formula in a cell, this will calculate the value for the cells based upon the value of other cells in the spreadsheet.	
Copy and paste	A way to copy information from the screen into the computer's memory and paste it elsewhere without re-typing.	**Formula Wizard**	The wizard guides you in creating a variety of formula for a cell such as calculations, totals, averages, minimum and maximum for the selected cells.	
		Charts	Vertical reference points for the cells in a spreadsheet.	

Key questions

How would you add a formula so that the cell shows the percentage score for a test?

Click on the cell where you want the percentage to be displayed then click the formula wizard button. Click on the cell that contains the score. Choose the (divide) operation then click on the cell that shows what the test was out of. Click OK. Click on the answer cell and then the format cell button. Choose% as the format.

Which tools would you use to create a times table test in 2Calculate ?

You could use the random tool, the spin tool, the equal tool and the timer tool.

Give an example of the data that could be best represented by a line graph ?

Data where both axes will contain continuous data so that you can see trends in the data. Such as ages and heights, time and temperature, years and costs.

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

It represents the data of a situation for example budgeting for a party, working out how big a field needs to be for a certain number of animals, working out how to spend your pocket money over time.

Knowledge Mat – Writing for Different Audiences

Subject Specific Vocabulary				Sticky Knowledge
Font	The style of writing one can use when typing on a document.	**Bold**	This makes the text stand out.	To explore how font size and style can affect the impact of a text.
Italic	A style of formatting when the text is at an angle.	**Underline**	To draw a line underneath the font.	To use a simulated scenario to produce a news report.
Key Question				To use a simulated scenario to write for a community campaign.
Why should I change the font when I am writing ? Changing the appearance of the font can help make things easier to read and highlight important parts of the text.				

Knowledge Mat – Logo

Subject Specific Vocabulary				Sticky Knowledge
Logo	A text-based coding language used to control an on-screen turtle to create mathematical patterns.	**BK**	Move backwards a distance of units	To learn the structure of the coding language of Logo.
FD	Move forward a distcane of units.	**RT**	Turn right a given number of degrees.	To input simple instruction in Logo.
Repeat	Repeat a set of instructions a specified number of times.	**LT**	Turn left a given number of degrees.	Using 2Logo to create letter shapes.
SETPC	Set pen colour to a given colour.	**SETPS**	Set the pen thickness.	To use the Repeat function in Logo to create shapes.
PU	Lift the pen up from the screen.	**PD**	Put the pen back down on the screen.	To use and build procedures in Logo.
Key Question				
What is Logo ? Logo is a text-based coding language used to control an on-screen turtle to create mathematical patterns.				

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