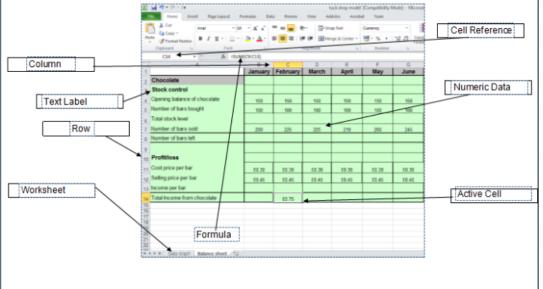
Spreadsheets are used to store information and data. Once we have our information in a spreadsheet we can run powerful calculations, make graphs and charts and analyse patterns.

General

Announcement

Other uses for spreadsheets -

- Modelling and Planning
- · Home/Business Finance and Budgeting
- Wages/Invoices
- Predictions / Simulations / Calculations
- Creating charts and graphs



	What is a Function?	A function is a standard routine used to perform common tasks. It represents a complex formula that uses reserved words e.g. VLOOKUP, IF. A function performs a specific set of operations on its input values to produce a single output value.							
	What is a Formula?	Using formulas in spreadsheets can allow you to quickly make calculations and get totals of multiple cells, rows, or columns in a spreadsheet .							
	Conditional Formatting	is a tool that allows you to apply formats to a cell or range of cells, and have that formatting change depending on the value of the cell or the value of a formula. For example, you can have a cell appear bold only when the value of the cell is greater than 100.							
1									

Common Formulas/Functions a cell appear bold only when the value of the cell is greater than 100.

= SUM Adds a range of cells together

= AVERAGE Finds an average for a range of cells

= MIN Returns the smallest value in range

= MAX Returns the highest value in a range

= COUNT Counts cells if they meet a condition

	IF	one of the logical functions , to return one value if a condition is true and another value if it's false. For example: =IF (A2>B2,"Over Budget","OK") =IF (A2=B2,B4-A4,"")							
	Count IF	=COUNTIF (Where do you want to look?, What do you want to look for?)							
•	Auto SUM	Excel automatically enters a formula (that uses the SUMfunction) to sum the numbers							
	= COUNT	Counts cells if they meet a condition							

Year 10 IT Knowledge Organiser Term 5+6

The Design Process

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Design Brief						
Task Analysis	A mindmap to explore all the designing/making task					
Customer Profile	An outline of a typical user product being designed					
Primary Research	Gathering new data that he collected before using survives questionnaires or interview					
Secondary Research	Gathering existing data that already been published fro like the internet and maga:					
Research Analysis	A summary of important fi each area of research					
Specifications						
Initial ideas	A range of quick sketches i to the design problem					
Development	More detailed drawings wi and refine better ideas					
Modelling	Hand generated or CAD/CA to prove construction met					
Final idea						
Plan of Make	A flow chart or illustrated g how the product will be ma					
Manufacture						
Testing	Comparing outcomes to the specification					
Evaluation						
Modifications	Details of how the product					

for Industry

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number. EG: A1						Ш	EG: (A2:F4)							CIII3.	ı	•	Multiplies two numbers/cells		
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Course

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