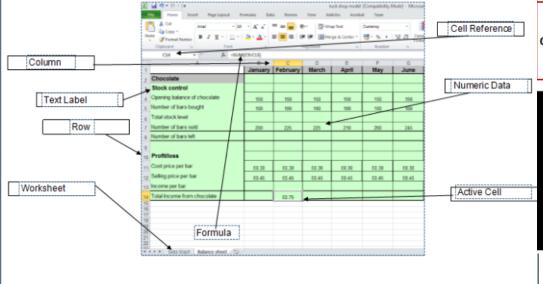
**Spreadsheets** are used to store information and data. Once we have our information in a spreadsheet we can run powerful calculations, make graphs and charts and analyse patterns.

## 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?	tasks. It represents a complex formula that uses reserved words e.g. VLOOKUP, IF. A <b>function</b> performs a specific set of operations on its input values to produce a single output value.
What is a Formula?	Using <b>formulas</b> in <b>spreadsheets</b> can allow you to quickly make <b>calculations</b> and get totals of multiple cells, rows, or columns in a <b>spreadsheet</b> .
Conditional Formatting	is a tool that allows you to apply <b>formats</b> to a cell or range of cells, and have that <b>formatting</b> 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.

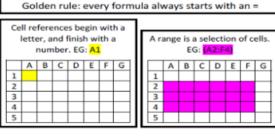
A function is a standard routine used to perform common

Common Formulas/Functions

= 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

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	one of the logical functions, to return one value if a
IF	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



Operators		
+	Adds two numbers / cells	
-	Subtracts one cell or number from another	
•	Multiplies two numbers/cells	
1	Divides one number / cell from another one	
<	Less than	
>	Greater than	
<=	Less than or equal to	
>=	Greater than or equal to	

	Key Vocabulary
Algorithm	A set of rules or instructions to be followed.
Flowchart	A graphical way of showing an algorithm.
Mimic	In Flowol, a simulation of a real world environment.
Selection	Deciding what code to run based on a decision or answer to a question. E.g. an IF statement.
Sequence	A set of instructions that are completed in the exact order that they are written.

