



St Andrew's C of E Maghull

Computing Knowledge Organiser

Year 4 – Spring 1 – Spreadsheets



Key Knowledge

Children know how to use the number formatting tools within 2Calculate to appropriately format numbers.

Children can add a formula to a cell to automatically make a calculation in that cell.

Children can use the timer, random number and spin button tools.

Children know how to combine tools to make fun ways to explore number.

Children know how to use a series of data in a spreadsheet to create a line graph.

Vocabulary

Average - A number expressing the typical value in a set of data. Also known as the mean. It is calculated by dividing the sum of the values in the set by their number
Columns - Boxes running vertically in a spreadsheet.

Chart - A diagram that represents data. Charts include graphs and other diagrams such as pie charts or flowcharts.

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.

Formula - A group of letters, numbers, or other symbols which represents a scientific or mathematical rule. The plural of formula is formulae.

Formula Wizard - 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.

Random tool - this tool, when clicked, will generate a random number.

Row - Boxes running horizontally in a spreadsheet

Spin Tool - This tool changes a number to the right of it by one each time an arrow is pressed.

Spreadsheet - A computer program that represents data in cells in a grid of rows and columns. Any cell in the grid may contain either data or a formula that describes the value to be inserted based on the values in other cells.

Timer - When placed in the spreadsheet, clicking the timer adds 1 to the value of the cell to its right every second until it is clicked again.

Lesson Sequence

Lesson 1 – I can use Formula Wizard and can format cells.

Lesson 2 – I can use the timer and spin buttons.

Lesson 3 – I can create line graphs.

Lesson 4 – I can use a spreadsheet for budgeting.

Lesson 5 – I can explore place value with a spreadsheet.