



St Andrew's C of E Maghull Knowledge Organiser



Year 6 – Spring 1 – Computing – Spreadsheets

Knowledge:

I know how to create a spreadsheet to answer a mathematical question relating to probability.

I know how to use the formula wizard to create formulae Children know how to make practical use of a spreadsheet to help plan actions.

I can use a spreadsheet to model a real-life situation and come up with solutions that can be applied to real life.

Vocabulary:

Auto fit - A function of a spreadsheet that alters column widths to fit data.

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

Conditional formatting When a cell or cells are formatted in a specific way depending upon the values in the cell or cells.

Formula(e) A group of letters, numbers, or other symbols which represent a mathematical rule. It allows a spreadsheet to carry out calculations.

Horizontal axis The x-axis of a graph is called the horizontal axis.

Spreadsheet A software tool used for organising information and performing calculations on the data. A spreadsheet workbook file is organised into sheets.

Cell An individual section of a spreadsheet grid. It contains data or calculations.

Column Vertical, lettered reference points for the cells in a spreadsheet.

Data A collection of information, especially facts or numbers, obtained by observation, questions or measurement to be analysed and used to help decision-making.

Formula Bar An area of the spreadsheet into which formulae can be entered using the '=' sign to open the formula.

Range A collection of selected cells: all the numbers you want to appear in a calculation. For example, A1:A12 includes all the cells from A1 to A12.

Vertical axis The y-axis of a graph is called the vertical axis

Cell Reference Each cell has a cell reference that shows its position. The cell reference is displayed in the box on the top left

Computational Model Creating or using a simulation (a model) of a real-life situation, on a computer

Delimiter A character that separates each piece of data.

Graph A diagram that represents data there are specific layouts for graphs including bar graphs and line graphs.

Row Horizontal, numbered reference points for the cells in a spreadsheet.

Lesson Sequence:

Lesson 1: I know what a spreadsheet looks like.

I can navigate and enter data into cells.

Lesson 2: I can introduce some basic data formulae in Google Sheets.

I can demonstrate how the use of Sheets can save time and effort when performing calculations.

Lesson 3: I can use a spreadsheet to model a situation.

Lesson 4: I can demonstrate how spreadsheets can make complex data clear by manipulating the way it is presented.to charity.