



| Year Five and Six<br>Programme A                                                                                                                                                                                                                                                                                                                                                                                  | Topic – <a href="#">Spread sheets (Information technology)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Term: Autumn 2 |
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| <b>Key Learning</b><br>To use formulae within a spreadsheet to convert measurements of length and distance.<br>To use the count tool to answer hypotheses about common letters in use.<br>To use a spreadsheet to model a reallife problem.<br>To use formulae to calculate area and perimeter of shapes.<br>To create formulae that use text variables.<br>To use a spreadsheet to help plan a school cake sale. | <b>Key Vocabulary</b><br><b>Average</b> – Symbols used to represent comparing two values<br><b>Advance mode</b> – A mode of 2Calculate in which the cells have references and can include formulae.<br><b>Copy and Paste</b> – A way to copy information from the screen into the computer’s memory and paste it elsewhere without re-typing.<br><b>Columns</b> – Vertical reference points for the cells in a spreadsheet.<br><b>Cells</b> – An individual section of a spreadsheet grid. It contains data or calculations.<br><b>Charts</b> – Use this button to create a variety of graph types for the data in the spreadsheet.<br><b>Equals tool</b> – 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.<br><b>Formula</b> – 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.<br><b>Formula Wizard</b> – The wizard guides you in creating a variety of formulae for a cell such as calculations, totals, averages, minimum and maximum for the selected cells.<br><b>Move cell tool</b> – This tool makes a cell’s contents moveable by drag and-drop methods.<br><b>Random tool</b> – Click to give a random value between 0 and 9 to the cell.<br><b>Rows</b> - Vertical reference points for the cells in a spreadsheet.<br><b>Spin Tool</b> – Adds or subtracts 1 from the value of the cell to its right.<br><b>Spreadsheet</b> - A computer program that represents information 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.<br><b>Timer</b> – When placed in the spreadsheet, click the timer to add 1 to the value of the cell to its right every second until it is clicked again. |                |
| <b>Key Skills</b><br><a href="#">Information Technology</a><br>Create simple spreadsheet models to investigate real life problems.                                                                                                                                                                                                                                                                                | <b>Learning Links</b><br><b>Y4</b><br>Formula wizard<br>Cell formatting<br>Timer, random number and spin buttons<br>Budget planner sheet<br>Line graphs<br><b>Y6</b><br>Spreadsheets for computational models<br>Probability using random functionality<br>Budgeting<br>Event planning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |