



St James' Church of England Primary School

Computing Overview Sheet



Year 4 – 4.3 Spreadsheets



Prior and Future Learning Links:

Year 5 – **Spreadsheets** - Converting measures **Databases** - Data representation in 2Investigate
Year 3 – **Spreadsheets** - Boolean comparison tools (<=>) **Graphing** - Use software to investigate data
Year 2 – **Spreadsheets** - Copying and pasting **Questioning** - Ways to represent data

Learning Objectives:

- To explore how the numbers entered into cells can be set to either currency or decimal.
- To explore how tools can be combined to use 2Calculate to make number games.
- To use the line graphing tool in 2Calculate with appropriate data.
- To use the currency formatting tool in 2Calculate.
- To use the functions of allocating value to images in 2Calculate to make

Overview:

Lesson 1: Formula Wizard and Formatting Cells
Lesson 2: Using the Timer and Spin Buttons
Lesson 3: Line Graphs
Lesson 4: Using a Spreadsheet for Budgeting
Lesson 5: Exploring Place Value with a Spreadsheet

Cross Curricular Links

Resources

- iPada • Purple Mash Login Details

Impact/Assessment

Most Children will: Most children can use the number formatting tools within 2Calculate to appropriately format numbers (Unit 4.3. Lesson 1). Children can add a formula to a cell to automatically make a calculation in that cell using the 'formula wizard' (Unit 4.3. Lesson 1). They will be fluent in copying and pasting contents between cell(s) (Unit 4.3. Lesson 1). Children can use spreadsheets to collate data and extract information from it to answer questions e.g., children can create line graphs and can use it to identify when something will happen using 2Calculate (Unit 4.3 Lesson 3).

Less Able Children will: With support throughout, children will use 2Calculate and a limited data set to design a simple graph to solve a mathematical problem (Unit 4.3 Lesson 3). Children will present their data and information using 2Calculate (Unit 4.3 Lesson 5).

More Able Children will: They will intuitively grasp the concept of using a spreadsheet to model a real life situation and calculate solutions. Children demonstrating greater depth will use 2Calculate to design a range of different graphs which present data in a variety of ways and select the most appropriate one to independently to solve mathematical problems (Unit 4.3 Lesson 5)