

## Computing:

### Y4 spring term

#### National Curriculum subject content:

- ✓ Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.

#### National Curriculum theme:

- ✓ Information Technology



#### Key Vocabulary:

Data	A collection of information, especially facts or numbers, obtained by observation, questions or measurement to be analysed and used to help decision-making.
Decimal place	The position of a digit to the right of a decimal point. In 2Calculate, the number of decimal places to be displayed can be chosen.
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.
Format Cell	The way that data is displayed in a cell. For example, using units such as £ or \$.
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.
Line graph	A line graph is used to display information which can change over time.
Percentage	'per' 'cent' means number of parts per hundred.
Place value	This is the value of each digit within a number.
Random Number Tool	This tool, when clicked, will generate a random number.
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.
Spin Tool	This tool changes a number to the right of it by one each time an arrow is pressed.
Campaign	An organised course of action to achieve a goal.
Format	The way in which something is arranged or set out.
Font	A set of type which shows words and numbers in a particular style and size.
Genre	The style or category type of a piece of art, music or writing.
Opinion	A view or judgment someone forms about something, not always based on fact
Reporter	A person who reports news or conducts interviews for the press or broadcasting media.
Viewpoint	The way someone sees or thinks about something.

#### Sequence of Learning:

##### Objectives (key knowledge):

Unit 4.3 Spreadsheets (5 lessons)				Unit 4.4 Writing for different audiences (5 lessons)			
<b>Formula Wizard and Formatting Cells</b> Objective 1: To explore how the numbers entered into cells can be set to either currency or decimal. To find out how to add formulae to a cell.	<b>Using the Timer and Spin Buttons</b> Objective 2: To explore the use of the timer, random number and spin button tools.	<b>Line Graphs</b> Objective 3: To use the line graphing tool with appropriate data. To interpret a line graph to estimate values between data readings.	<b>Using a Spreadsheet for Budgeting</b> Objective 4: To use the currency formatting. To use 2Calculate to create a model of a real-life situation.	<b>Exploring Place Value with a Spreadsheet</b> Objective 5: To use the functions of allocating value to images (in 2Calculate) to make a resource to teach place value.	<b>Font Styles</b> Objective 6: To explore how font size and style can affect the impact of a text.	<b>Using a Simulated Scenario to Produce a News Report</b> Objective 7: To use a simulated scenario to produce a news report.  (2 lessons)	<b>Writing for a Campaign</b> Objective 8: To use a simulated scenario to write for a community campaign.  (2 lessons)