



**Computing Topic:** Spreadsheets

**Year: 4 Term:** Autumn 2

## Key Knowledge/Content:

- To format cells as currency, percentage, decimal to different decimal places or fraction.
- To use the formula wizard to calculate averages.
- To combine tools to make spreadsheet activities such as timed times tables tests.
- To use a spreadsheet to model a real life situation.
- To add a formula to a cell to automatically make a calculation in that cell.

## Links to:

### Prior learning:

To learn about graphing, questioning and how to use spreadsheets

### Future learning:

To input data into databases.

## Key vocabulary with definition:

### New Vocabulary

- Formula -A group of letters, numbers, or other symbols which represents a scientific or mathematical rule. The plural of formula is formulae.
- Column - Boxes running vertically in a spreadsheet
- Budget -The amount of money available to spend on a project.
- Data -A collection of information, especially facts or numbers, obtained by observation, questions or measurement to be analysed and used to help decision-making.
- Place value -This is the value of each digit within a number. For example 354, the 3 = 3 hundreds, the 5 = 5 tens and the 4 = 4 ones.

### Prior Vocabulary

- 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.
- 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.
- Line graph -A line graph is used to display information which can change over time. For example, temperature at different times of the day.

## By the end of this unit

**All children can:** present data and information and use 2Calculate and a limited data set to design a simple graph to solve a mathematical problem.

**Most children can:** use 2Calculate to design a graph to solve a mathematical problem, present, format and analyse their data and information in a variety of ways and use their spreadsheets to solve and check mathematical problems and concepts.

**Some children can:** explore more complex functioning of the 2Calculate tools to create their own spreadsheets to explore number and interpret their own data.

## Background understanding for teachers and parents:

Children are being taught how to present and represent data using spreadsheets.

## Curriculum Driver (one):

Aspiration

### Evidence outcome:

Children have the knowledge and understanding of how to use spreadsheet and can apply this to job prospects.