

Computing- Year 6- Spring Term- Data Collection

Prior Learning: This unit progresses our knowledge and understanding of data, from branching databases (yr3) and data logging (yr4).

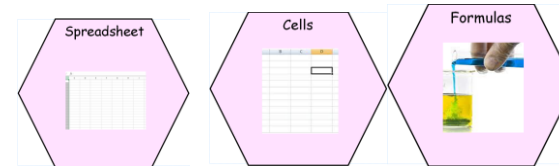
Theme: Spreadsheets

Concept: Data and Information

Hardware: Laptops

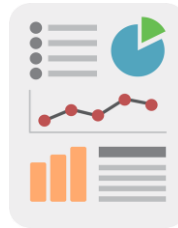
Software: Microsoft Excel or Google Sheets

Words we will know!



1. Collecting data

We will collect and organise data in a format of our choice. Then explore how data can be structured in a table. Finally, we will input data into a spreadsheet.



4. Calculate and duplicate

We will calculate data using the operations of multiplication, subtraction, division, and addition. We will use these operations to create formulas in a spreadsheet. We will then begin to understand the importance of creating formulas that include a range of cells and the advantage of duplicating in order to apply formulas to multiple cells.



Formulas can be used to perform calculations



Functions can be used to complete more complex processes

2. Formatting a spreadsheet

We will develop our understanding of the structure of a spreadsheet. We will be introduced to cell references, data items and the concept of formatting cells. We will see data items formatted in different ways, they will then choose formats for data items before applying formats in our own spreadsheet.

	A	B
1	Name	Number of days off
2	Reina	10
3	David	13
4	Yiannis	1



Cell references use letters along the top of the table and numbers down the left-hand side.

5. Event planning

We will plan and calculate the cost of an event using a spreadsheet. We will use a predefined list to choose what we would like to include in our event, and use our spreadsheet to answer questions on the data we have selected. We will be reminded of the importance of organising data and will then create a spreadsheet using formulas to work out costs for our event.

3. What's the formula?

We will begin to use formulas to produce calculated data. We will understand that the type of data in a cell is important (e.g. numbers can be used in calculations whereas words cannot). We will create formulas to use in a spreadsheet using cell references and identify that changing inputs will change the output of the calculation.



Data can be formatted in different ways.

6. Presenting data

We will gain skills to create charts in Google Sheets. We will evaluate the results from our charts to answer questions. Finally, we will show our understanding of different software tools available within spreadsheet applications to present data.

