



# Computing (Information Technology) – Year 6

## Are computers good at Maths?

### Big Idea:

Understand how data is stored, organised, and used to represent real-world situations.

### What should I already know?

- How to present information collaboratively using online platforms.
- How to use transitions and animations on a presentation app.

### What will I know by the end of this unit?

- How to collect, present, analyse and evaluate data using a spreadsheet.
- How to use formulas and formatting to display data quickly and effectively.

### Google Sheets:

The screenshot shows a Google Sheet titled 'Ashleigh Maths Tracker'. The spreadsheet contains data for 20 children (A through S) across five columns: Name, Arithmetic (40), Reasoning 1 (35), Reasoning 2 (35), and Combined (110). The 'Combined' column uses a formula  $=SUM(B2:D2)$ . A 'Conditional format rules' panel is open on the right, showing a rule for 'Single colour' applied to range 'E2'. The panel includes options for 'Apply to range', 'Format rules', and 'Formatting style'. Red arrows from labels above point to the 'Data Set' (column E), 'Insert Chart' (top right), 'Formula Box' (cell E2), 'Conditional Formatting' (panel), and 'Share Slides' (button).

### Key vocabulary:

<b>Data</b>	Facts and statistics collected together.
<b>Spreadsheet</b>	An electronic document in which data is shown.
<b>Formula</b>	Equations in spreadsheets that do calculations.
<b>Formatting</b>	A way of programming a piece of data to change appearance depending on its value.
<b>Collection</b>	The way in which data is gathered.
<b>Graphs/Charts</b>	The ways in which data is presented visually rather than just numbers.
<b>Interpret</b>	The information we get from a set of data.
<b>Sort</b>	The way we can organise data to make it easier to read.