



Use this alongside our Walkthrough Guides to tick off the concepts you're confident with to plan your study and find areas of improvement!

### Basic Probability

- I can define the term **probability**
- I know the values that probability is measured within
- I can calculate probability as a fraction
- I can calculate probability as a proportion (decimal)
- I can calculate probability as a percentage
- I can explain what a **favourable outcome** mean

### Features of Data

- I can explain what a dot plot is and when it is used
- I can explain what a box and whisker graph is and when it is used
- I can explain what a scatter plot is and when it is used
- I can explain what a time-series graph is and when it is used

## Analysing Data

- I can describe an **outlier**
- I can identify and explain an outlier in a dataset
- I can explain what **shift** is
- I can identify shifts in a box plot and explain what this means in a context
- I can explain what **skew** is
- I can identify left or right skew in a dot plot
- I can identify and explain **clusters**
- I can identify and explain a trend in a context

## Comparing Data

- I can calculate a conditional probability
- I can identify bias in a survey and provide possible explanations for it
- I can explain how bias occurs and how to avoid it
- I can compare two sets of data
- I can determine if data is valid by analysing medians and graphs