



## GCSE Statistics

### Introduction and course overview

How do they predict the weather?

Can you predict the future?

Statistics is the study of making good guesses using Mathematics.

Making well-reasoned predictions about the future, as well as making justified assumptions about why something has happened, are some of the key rationales in the study of statistics.

GCSE statistics will involve studying probabilities, displaying and analysing data in real life situations.

### Aims of the course

The aims and objectives of this qualification are to develop an awareness of Mathematics beyond the classroom enabling students to experience and practise calculations using real-world data, and learning how to accurately interpret the results.

The course encourages fluency and understanding through:

- The use of statistical techniques using real-world data
- Identifying trends
- Application of statistical techniques and apply to other subjects
- Critically evaluating data and calculations encountered in everyday life
- Understand how technology informs decision making
- Understand ways that data can be presented using graphs
- Applying appropriate mathematical and statistical formulae

Statistics are widely used in medicine, Business, Science, teaching, Geography and politics and so having a deep understanding of how to handle and interpret statistics will be advantageous.



### **Method of assessment**

The Edexcel GCSE Statistics examination will consist of two exams of equal importance. Both papers are 1½ hours and both focus on the same content and assessment objectives. Calculators may be used in both examinations. This GCSE Statistics qualification does not include any Controlled Assessment.

Statistics is also a subject that has both Foundation and Higher tiered exam papers.

### **Useful resources and further information**

<https://qualifications.pearson.com/content/dam/pdf/GCSE/Statistics/2017/specification-and-sample-assessments/gcse-9-1-statistics-specification.pdf>