

Statistics and Extended Maths Certificate

GCSE and Extended Maths Certificate

Course Leader: Mr Whitehouse

Successful learner profile

- Strong numerical skills and a proven track record of high attainment in Mathematics.
- Accurate calculation skills and able to use a calculator efficiently and correctly.
- Analytical thinker- Able to interpret results, identify patterns, trends, and anomalies in data.
- Logical reasoner- Justifies conclusions clearly using statistical evidence.
- Resilience and persistence- Willing to attempt challenging questions and learn from mistakes.
- Curiosity about data- Interested in how statistics apply to real-world issues such as surveys, experiments, bias, and reliability.

How will you be assessed?

GCSE Statistics

- 100% Examination.
- 2 calculator papers. 80 marks per paper, 1 hour 30 minutes in length. Each worth 50% of the final grade.
- The papers contain short response, medium response and extended response question

Extended Maths Certificate

- 100% examination
- 2 papers, one calculator and one non-calculator. 60 marks per paper. 1 hour 15 minutes in length. Each worth 50% of the final grade.
- A minimum of 50% of the content across Paper 1 and Paper 2 in any given examination series will assess content from Algebra.

What will you study?

GCSE Statistics Edexcel to be examined in Year 10
Extended Maths Certificate to be examined in Year 11.

You will study **GCSE statistics** on a one-year pathway. This will be examined at the end of Year 10.

The course is split into three modules.

1. The collection of data
2. Processing, representing and analysing data
3. Probability

Questions will be on statistical methods, familiar and unfamiliar contexts and the component parts of the statistical enquiry cycle

You will study the **Extended Maths Certificate** on a one-year pathway.

The assessments will cover the following five content areas:

Number, Algebra, Ratio, Proportion and Rates of Change, Geometry and Probability Questions will be set in both mathematical and non-mathematical contexts.

With 50% of the content being algebra based.

Possible progression post 16

- This course provides a solid foundation to all elements of A Level Mathematics.
- It will introduce you to a range of concepts and practical skills which are developed in lots of other subjects for example Geography, Psychology and Business studies amongst others.

Weblinks

<https://qualifications.pearson.com/en/qualifications/edexcel-gcses/statistics-2017.html>
<https://qualifications.pearson.com/en/qualifications/level-2-extended-maths-certificate/level-2-extended-maths-certificate.html>