

Mathematics | FSMQ & GCSE Statistics Combined

This course is only for students who are likely to achieve a Maths GCSE grade 7-9

ADDITIONAL MATHS FSMQ & GCSE STATISTICS HIGHER TIER COMBINED COURSE

TEACHER RESPONSIBLE FOR COURSE: Mr D. Wilson

DESCRIPTION OF COURSE

This combined course complements and extends the Edexcel GCSE. It is suitable for students who are enthusiastic about Mathematics and have a thorough knowledge of the content of the Higher Tier of the National Curriculum for Mathematics. The Statistics element is based on good practice in statistics and provides a background for the study of statistics beyond GCSE. It pays particular emphasis on the theoretical, practice and applied nature of the subject. The Additional Maths element provides students with an introduction to Mathematics studied in the AS and A level GCE modules, and provides a Level 3 qualification.

AIMS

This course will encourage students to:

- acquire knowledge and understanding of statistical techniques and concepts
- solve statistical problems
- develop an understanding of the importance and limitations of statistics
- develop in their progression through statistics and other related disciplines
- acquire an excellent preparation for AS level
- appreciate the power and elegance of advanced mathematics
- experience the directions in which the subject is developed post-GCSE
- develop confidence in using mathematical skills in other areas of study

CONTENT

- Planning and Collection of data
- Processing, representing and analysing data
- Probability
- Algebra
- Co-ordinate Geometry
- Trigonometry
- Calculus

METHOD OF ASSESSMENT

EXAMINATION – Edexcel GCSE in Statistics 1STO (Higher).

The Pearson Edexcel Level 1/Level2 GCSE (9-1) in Statistics consists of two externally-examined papers. Both examinations are 1 hour and 30 minutes long and both worth 50% (80 marks).

There is no longer a controlled assessment (coursework) element to this GCSE.

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EXAMINATION – OCR FSMQ Free Standing Maths Qualification in Additional Mathematics 6993

There is one written 2 hour paper which accounts for 100% of the final assessment.

Grades A – E available.

There is no coursework or controlled assessment for this examination.

OTHER INFORMATION

This combined course is only suitable for those students who are likely to achieve a 9, 8 or 7 grade in GCSE Mathematics. Students will as a result of taking this course have the opportunity to achieve a GCSE in Statistics at the higher tier and a FSMQ at Level 3

For further information on the GCSE Statistics specification please log onto the Edexcel Website at www.edexcel.com

- Select the qualification tab
- Select GCSE from 2009
- Select subjects
- Select Statistics and view specification

For further information on the FSMQ Additional Maths specification please log onto the OCR website at www.ocr.org.uk

- Select qualifications tab
- Select Mathematics
- Select Free Standing Maths Qualification
- Select Additional Mathematics – 6993 and view specification