



Mathematics



Key Stage 3

At Key Stage three pupils are set into similar ability groups for mathematics, science and ICT. There are two parallel express groups, two parallel upper groups and two foundation groups. At the start of year 7 pupils are set on the basis of primary school teacher assessments and KS2 SATs results along with school CATS assessment. Pupils follow a modified Collins Maths Frameworking scheme of work that matches the newly revised national curriculum for England and Wales which adequately prepares them for the new maths GCSE from 2017 onwards. Regular assessment throughout the key stage using online and physical tools ensures pupils stay on target and have the opportunity to succeed. The final assessment consists of both 1 hr calculator and non-calculator written SATs papers which are marked internally.

Key Stage 4

At Key Stage four pupils are set into groups using their KS3 results and teacher assessments. These groups will, according to ability and target grades, follow either the Higher Tier or Foundation Tier of the OCR (J567) or AQA (4360) linear specification GCSE.

The highest ability students will continue to be entered for the AQA GCSE which consists of 3 units –

Unit 1: Statistics and Number (calculator) 26.7% of the GCSE Mathematics assessment 1 hr (54 marks)

Unit 2: Number and Algebra (non-calculator) 33.3% of the GCSE Mathematics assessment 1 hr 15 mins (66 marks)

Unit 3: Geometry and Algebra (calculator) 40% of the GCSE Mathematics assessment 1 hr 30 mins (80 marks)

<http://www.aqa.org.uk/subjects/mathematics/gcse/mathematics-4360>

The middle ability students will be entered for the OCR higher GCSE which consists of 2 exams –

Paper 3: Higher (non calculator) 50% of the GCSE mathematics assessment 1 hr 45 mins (100 marks)

Paper 4: Higher (calculator) 50% of the GCSE mathematics assessment 1 hr 45 mins (100 marks)

The lower ability students will be entered for the OCR foundation GCSE which consists of 2 exams –

Paper 1: Foundation (non calculator) 50% of the GCSE mathematics assessment 1 hr 30 mins (100 marks)

Paper 2: Foundation (calculator) 50% of the GCSE mathematics assessment 1 hr 30 mins (100 marks)

<http://www.ocr.org.uk/qualifications/gcse-mathematics-b-j567-from-2012/>

Key Stage 5

In the sixth form the teaching is shared by the schools in the Compton Park Learning Partnership, which comprises St Edmund's, S. Peter's and Wolverhampton Girls' High School. The students are offered AS, A2 and further mathematics, following the AQA specification, together with GCSE mathematics (OCR (J567)) at the higher or foundation tier for a small number of students in year 12 and 13 (see above)

The full mathematics A-level is made up of six units – three at AS and three at A2. All A-level units are of equal weighting and are assessed by an exam of 1 hour 30 minutes each.

<http://www.aqa.org.uk/subjects/mathematics/a-level/mathematics-6360>

For further information, please contact Mr. R A Morris, Curriculum Leader for Maths