



## Sir Roger Manwood's School - Mathematics Department

The Mathematics Department consists of 6 teachers, one of whom is part time.

The department has a combination of staff who have been teaching for many years as well as those who are relatively new to the profession. The department is mutually supportive, sharing in the responsibility for the progress of all of the pupils in its care.

At Key Stage 3, the subject is taught in mixed ability groups for years 7 and 8 and the groups are broadly set according to ability in year 9. The normal class size is 32. Pupils have 6 one hour periods per fortnight. The curriculum is based on a 5-year preparation for GCSE using the SMP Interact series and Oxford Excel GCSE Maths Foundation textbooks.

All Key Stage 4, pupils sit the Edexcel GCSE examination and the main text books are the Oxford Excel GCSE Mathematics Higher and the SMP Interact Higher. They have 7 periods in each of these years to reflect the harder nature of the new GCSE specification, with the year group split in half and each half then arranged into 3 broad ability sets. It is exceptional that a pupil fails to achieve at least a grade 4.

The A level specification is Edexcel. Students have 9 one hour periods in Year 12 and Year 13 if studying A Level Mathematics, and 15 periods in each year if doing Double Mathematics i.e. covering A Level Mathematics and A Level Further Mathematics across Years 12 & 13. The new curriculum allows flexibility in teaching across the two years of the A level course but textbooks (the Pearson series course) broadly following a Year 1 and Year 2 curriculum. In addition, AQA 'Mathematical Studies' is delivered to Year 12 to encourage more students to continue with Mathematics post GCSE.