

## **Mathematics Department**

Students are taught in parallel half-year groups and we follow a Key Stage 3 mastery course in Years 7 and 8, starting the AQA GCSE at the beginning of Year 9. We use a variety of resources including a wide range of practical equipment, iPads, Graphical Calculators and textbooks. In addition to GCSE Mathematics, our top sets are entered for AQA's Level 2 Certificate in Further Mathematics, whilst our supported groups complete an Entry Level Certificate. 6<sup>th</sup> Form courses include A Level Mathematics, Level 3 Certificate in Mathematical Studies (Core Maths) and GCSE for those students on the school's Bridging Course. Currently nine of our best mathematicians are also taking an AS in Further Mathematics in addition to their other 3 A Levels. GCSE results last year were excellent with over 7% of the cohort achieving a Grade 9.

The department is a member of Complete Mathematics and we use this platform for planning lessons and setting homework. The weekly quiz covers material taught over the past month and so revisits knowledge regularly to help students to remember key concepts. Please visit <https://completemaths.com> for further details.

At GCSE we also use Diagnostic Questions as homework to identify misconceptions and hence address issues before they become embedded incorrectly. As Craig Barton says "Practice makes Permanent" so we need to ensure that students are practising and understanding the correct methodology. Please visit <https://diagnosticquestions.com> for further information.

Our A Level students are supported by Dynamic learning e-textbooks and membership of Integral.

We offer a wide range of extra-curricular and enrichment activities. These include Maths Clubs, UKMT's Challenges, both individual and team, Southampton University's Cipher Challenge, Simon Singh's Parallel Project amongst others.

We are seeking an enthusiastic mathematics teacher to join our dedicated team and would welcome a visit from anybody interested in applying for the advertised post.