



## MATHEMATICS ACHIEVEMENT TEAM

<b>Curriculum</b>	At Somervale we provide a varied programme which engages students yet links Mathematics to everyday life.
<b>KS3</b>	Students follow the National Curriculum for Mathematics revisiting and extending topics on a cyclical basis. Progress is monitored through regular testing and intervention. A 3 year GCSE course begins at the start of year 9 for all students.
<b>KS4</b>	Students follow an Edexcel GCSE Linear course that is split into four units spread across the three years of GCSE teaching. At the end of each unit students are tested, progress is monitored by the Head of Department and intervention occurs when necessary. There are 4 classes in KS4 with the bottom set supported by a specialist Mathematics Teaching Assistant.
<b>KS5</b>	Somervale shares the Sixth Form provision with its federated school, Norton Hill. This means lessons at both schools could include students from both school sites; this has enabled us to create smaller classes and offer Further Mathematics. Students follow courses in Core, Statistics, Mechanics and Decision Mathematics.
<p>Students are encouraged to develop their practical and enquiry skills through engaging lessons that include investigations, mathematical games and use of IT. The curriculum offered enables students to relate Mathematics to their everyday lives. The department constantly reviews and reflects upon its practise and sharing of teaching ideas is a feature.</p> <p>Students are tested on a regular basis and progress is monitored by the Head of Department and tracked on a 'Tower of Expertise' that is common across the federation.</p> <p>We encourage Students to be responsible for their learning and this is supported by resources found on the schools VLE.</p>	
<b>Enrichment</b>	In the past year students in year 9 have benefited from workshops delivered by the University of The West of England and a trip to Thorpe Park was organised based on the theme of Speed, Distance and Time. Students in both KS3 and 4 are encouraged to enter the UKMT Mathematics Challenges.
<b>Facilities</b>	<ul style="list-style-type: none"> <li>• 5 Classrooms all with an interactive whiteboard and sets of smaller whiteboards for student use. Each teacher also has a set of calculators along with other Mathematical equipment.</li> <li>• 2 storage rooms for Mathematical Teaching Resources.</li> <li>• The department also has use of a set of 'Chrome books'.</li> </ul> <p>At present each classroom is the responsibility of one teacher who does all their teaching in this base.</p>
<b>Staff</b>	Mr S O'Callaghan                      Head of Mathematics Department Mr I Rowland Mr N Adam

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