

Alderman White School

Curriculum Information

Year Group: 7

Subject: Maths

GCSE course followed: AQA

<p>Objectives</p>	<p>To establish a thorough understanding of a broad range of mathematical skills across the following areas of mathematics: Numeracy and number skills, algebra, geometry, data & probability and ratio & proportion. These are the pre-requisite skills required for the GCSE mathematics qualification.</p> <p>There will be coverage of many skills and topics covered in primary school in order to confirm, consolidate and deepen understanding of key concepts and methods required for complex applications (that are often lacking or have been forgotten).</p> <p>Pupils will be encouraged to work collaboratively to solve problems and complete tasks, to develop their literacy and communication skills. If pupils are able to discuss their maths and articulate their ideas effectively, we believe they will further improve their understanding, ability to persevere and to solve problems whilst developing an appreciation for the need to communicate mathematically.</p> <p>All students cover the same curriculum, to different depths depending on their starting points and rates of progress. We offer opportunities to challenge and extend the highest attaining whilst offering specific 'catch up' initiatives to lower attaining pupils through intervention from our maths specialist TA and use of the IT-based Accelerated Maths package.</p>
<p>How is progress measured?</p>	<p>Students take a short pre-test for each topic (approximately three per half term). These help teachers to assess the starting points of students in the group and to differentiate their teaching effectively. A post-test is administered to provide a snapshot of the students' progress and to identify where further support is required. We aim to tie skills and topics together in our Mastery approach, especially in problem solving contexts. We don't simply teach to the tests. We then offer opportunities to target tackle key skills or extend pupils through mastery problem sheets with increased complexity.</p> <p>Summative data is collected through more comprehensive assessments three times per year in order to test retention of understanding and to more accurately measure pupils' progress throughout the year.</p>
<p>Extending Learning at home</p>	<p>Homework is set each week to either consolidate or extend learning. We generally (but not exclusively) use either a yellow worksheet or a Mymaths task to do so. Homework is used to revise older topics in order to improve students' retention skills and to encourage revision skills that require more initiative and independence of pupils – looking back at notes and work in books – to successfully complete tasks.</p> <p>We interleave our homework and scheme of learning with activities in lessons to support the long-term retention of skills.</p>
<p>Support Available</p>	<p>Pupils with a significant need for further support will be identified and included in our catch up maths programme, who work with our maths specialist TA and will be involved in our maths mentoring set up which takes place in form time each week. Confident Y10 student leaders support our Y8 pupils and Y9 students support our Y7 catch up students in order to provide intensive, personalised instruction.</p> <p>We also offer a help club on a Friday lunch in RM2 which all maths staff attend.</p>
<p>Useful web addresses</p>	<p>www.mymaths.co.uk school login: whp school password: circle</p>

