

Overall intent statement

Our ambitious, knowledge-rich and engaging Maths curriculum creates creative and ambitious mathematicians. The curriculum is rich in knowledge and skills which prepares students for future challenges. Our logically sequenced curriculum gives our students the opportunity to communicate, justify and argue using mathematical vocabulary whilst knowing how to solve problems across all six strands. Our mastery curriculum develops the character of our students, building resilience, confidence and independence through problem solving. Our inclusive curriculum ensures that our students contribute positively to the life of the school and their local community through the skills that they have gained in Maths.

Intent statements by Key Stage

	Subject-based curriculum
Key Stage 3	<p>Our knowledge-based curriculum is aimed at providing students with the ability to recall and retain information from Key Stage 2 and build upon it.</p> <p>It aims to consolidate numerical and key analytical skills in an environment where students can explore and further develop their problem-solving skills with fluency whilst being encouraged to become risk-takers and independent thinkers. Our curriculum creates a conducive environment to promote growth and development so that students can demonstrate character values of mathematical perseverance, resilience and competence in problem-solving and reasoning. Our curriculum fosters an atmosphere so that students can demonstrate growth and fluency of good subject knowledge which will enable them to articulate key mathematical language and concepts in their everyday life.</p>
Key Stage 4	<p>Our inclusive Key Stage 4 curriculum builds on knowledge from Key Stage 3. Over time, students will gain more confidence and build resilience with GCSE topics. Our intent is to provide skills which will enhance employment opportunities and allow students to relate to maths in the real world. Our curriculum is created so that recall and retention is a key factor through the use of assessment and extended learning. Our Key Stage 4 curriculum ensures that students not only develop mathematical mindsets, but understand that the learned skills are transferable to other subjects and areas. Our Key Stage 4 curriculum builds confidence when working with difficult problems to prepare students for a successful future.</p>
Key Stage 5	<p>Our rigorous and engaging Key Stage 5 curriculum creates ambitious, resilient mathematicians who take on the challenges of A Level Mathematics with enthusiasm. Our curriculum encourages students to effectively communicate and justify their methods using mathematical reasoning. The Mechanics and Statistics modules provide students with the opportunity to apply mathematical theories and processes to real-life problems, and to other A Level subjects. Our curriculum aids our students in developing their deductive reasoning and logical thinking skills, so they can become independent and confident problem solvers when taking on apprenticeships, university degrees, and</p>

Denefield curriculum intent statement
Maths



	full-time work in any field. In doing so, we hope that our students will go on to contribute positively to the wider community in the future.
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