

Year 8 Maths

Intent	Implementation	Impact
The Year 8 Mathematics curriculum builds on the foundations laid in Year 7, enabling students to apply prior knowledge to new and increasingly complex problems. Through a mastery approach, students refine their mathematical thinking, develop problem-solving strategies, and deepen their understanding of key concepts. The curriculum promotes fluency, reasoning, and resilience, ensuring all learners—regardless of prior attainment—can access and progress through the content.	The curriculum is organised into thematic units split into blocks, with interleaving embedded to reinforce prior learning and extend understanding. Lessons are collaboratively planned and include CPA (Concrete, Pictorial, Abstract) representations to support conceptual development. Reasoning is nurtured through diagnostic questioning, discussion of misconceptions, and tasks requiring justification. Mixed-attainment classes follow a shared curriculum with built-in scaffolding and challenge. Independence is developed through problem-solving, collaborative tasks, homework, and feedback lessons. TOPs (Tools of Progress) support recall and help students articulate their learning journey. Real-life applications and career links are embedded, including the annual Fun Maths Roadshow.	By the end of Year 8, students will: - Demonstrate increased confidence and competence in mathematics. - Apply skills to a wide range of problems with resilience and reasoning. - Work collaboratively and communicate mathematical ideas effectively. - Identify areas for improvement and take ownership of their progress. - Enjoy mathematics and be willing to tackle challenging tasks.
Assessment		
Assessment in Year 8 Mathematics is designed to inform teaching, support progress, and develop metacognition. It includes: Benchmark Assessments: Completed after each topic, followed by feedback lessons to improve scores and understanding. Core Exam: Gauges cumulative knowledge and recall across topics. Formative Assessment: Live marking, diagnostic questioning, and feedback sheets used regularly to guide learning. Homework: Hegarty or Sparx Maths tasks set weekly to consolidate learning and promote independent practice. Students are supported in identifying gaps, improving their understanding, and verbalising their reasoning—often through peer teaching and reflection		