

Maths Curriculum Vision



KS3

Intent	Implementation	Impact
<ul style="list-style-type: none"> Learn to reason, problem solve and apply skills to the real world. Build a strong foundation of skills and habits. Avoid rules, encourage discovery. Stimulating environment. Challenge local/cultural negative stereotypes of Maths 	<ul style="list-style-type: none"> Full and ordered SOW Students become familiar with usage of different teaching tools (whiteboards, ILT, MathsWatch) Foster good habits of presentation, problem solving and independence. Offer fun activities, trips and quizzes Scaffolded learning resources 	<ul style="list-style-type: none"> Failure friendly environment Largely mixed ability in year 7 before introducing speed-of-learning groups in year 8 Regular topic tests as assessment End of year GCSE-style trials Work with parents to set up systems of support that will underpin future learning

KS4

Intent	Implementation	Impact
<ul style="list-style-type: none"> Apply Maths learning to a variety of career paths Select Foundation or Higher paper as appropriate Break down complex problems into pieces Develop revision and independent study skills Reveal jobs/career and paths into studying Maths at KS5 Maximise exam success 	<ul style="list-style-type: none"> Full and ordered SOW Consistent teachers to build trust and strong relationships Increased tracking and sharing of progress Interventions and support offered, as well as stretching the most able through extra qualification options Teaching for depth 	<ul style="list-style-type: none"> Deep understanding of full range of Maths methods High rate of interest shown in KS5 Maths opportunities Familiarity with GCSE formats and exam techniques Students seek out forms of support Exam success at GCSE

KS5

Intent	Implementation	Impact
<ul style="list-style-type: none"> Teach competency in Pure, Stats and Mechanics Maths, building on GCSE skills Build strong independence skills, encouraging significant solo work out of class Students take responsibility for their progress and show initiative to find support Success that will opens doors to university or employment 	<ul style="list-style-type: none"> Match the right students to the right Maths course Quality teaching (with mastery) delivered by experienced teachers Full and ordered SOW Students develop self study skills and use iStudy periods 'Open door' teacher policy Full exam preparation support 	<ul style="list-style-type: none"> Failure friendly class environment Success in grasping advanced Mathematical processes Success in national examinations leading to quality university or apprenticeship offers Partner with parents to balance work & health