

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• Mastery teaching techniques• Students to become familiar with usage of different teaching tools (whiteboards, ILT, MathsWatch, note taking)• Foster good habits of presentation, problem solving and independence.• Offer fun activities, trips and quizzes	<ul style="list-style-type: none">• Failure friendly environment• Scaffolded learning resources• Regular topic tests• End of year GCSE trials• Work with parents to set up systems that will underpin future learning

KS4

Intent	Implementation	Impact
<ul style="list-style-type: none">• Apply complex Maths skills to a variety of career paths• Select Foundation or Higher paper as appropriate• Learn to break down complex problems into pieces• Develop revision and independent study skills to maximise exam performance• Reveal jobs/careers and paths into studying Maths at KS5	<ul style="list-style-type: none">• Consistent teachers to develop trust and build strong relationships• Folders to store work ready for revision and to foster independent thinking• Increased visual tracking and sharing of progress• Flexible setting to adapt to what’s right for students• Extra revision sessions as exams approach	<ul style="list-style-type: none">• Deep understanding of full range of Maths methods• Supporting younger students with number buddies• High rate of interest shown in KS5 Maths opportunities• Familiarity with GCSE formats & exam techniques• High rate of exam success

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 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