

Subject area: Mathematics Year 11 Foundation

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topics	Investigating Properties of Shapes Calculating Solving Equations and Inequalities I Mathematical Movement I	Algebraic Proficiency: tinkering Proportional Reasoning Pattern Sniffing Calculating Space Exploring Fractions, Decimals and Percentages	Algebraic Proficiency: visualising Solving Equations and Inequalities II Analysing Statistics Mathematical Movement II	Revision of key concepts as identified from assessments	Revision of key concepts as identified from assessments	
Assessment	Mock Exams Half Foundation Paper x 2 Hegarty Homeworks Mini-Tests	Half Foundation Paper x 2 Hegarty Homeworks Mini-Tests	Mock Exams Half Foundation Paper x 2 Hegarty Homeworks Mini-Tests	Mock Exams Hegarty Homeworks Mini-Tests	GCSE Exam 3 Papers	
Homework	Hegarty Maths Worksheets Half Exam Papers	Hegarty Maths Worksheets Half Exam Papers	Hegarty Maths Worksheets Half Exam Papers	Hegarty Maths Worksheets Half Exam Papers		

Responding to to post COVID gaps in learning	QLA from previous years learning to identify gaps in knowledge Regular GCSE testing to identify gaps in knowledge Targetted starters to address gaps in knowledge Hegarty homework based on gaps in knowledge
Building on prior learning	Key points for the year will include: <ul style="list-style-type: none"> • Solve problems involving direct and inverse proportion • Solve quadratic equations by factorising • Apply trigonometry in two dimensions • Calculate volumes of spheres, cones and pyramids • Understand and use vectors
Enrichment within the Curriculum	Lunchtime Maths Masterclass to support students aiming for grade 8/9 and prepare for A-Level Maths
Extracurricular opportunities	Lunchtime support offered where students require extra help. After school intervention and revision sessions. Maths Challenges and House Competitions Hegarty Leader Board
Positive impacting on personal development (SMSC)	In Maths lessons students are always encouraged to delve deeper into their understanding of Mathematics and how it relates to the world around them. Problem solving skills and teamwork are fundamental to Mathematics, through creative thinking, discussion, explaining and presenting ideas. Students are always encouraged to develop their Mathematical reasoning skills, communicating with others and explaining concepts to each other. Self and peer reviewing are very important to enable students to have an accurate grasp of where they are and how they need to improve.
Preparing for the next stage of education	Development of topics in the areas of Number, Ratio and Proportion, Algebra, Geometry and Statistics.

