

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 Sparx Homeworks Mini-Tests	Half Foundation Paper x 2 Sparx Homeworks Mini-Tests	Mock Exams Half Foundation Paper x 2 Sparx Homeworks Mini-Tests	Mock Exams Sparx Homeworks Mini-Tests	GCSE Exam 3 Papers	
Homework	Half Exam Papers Sparx Maths	Half Exam Papers Sparx Maths	Half Exam Papers Sparx Maths	Half Exam Papers Sparx Maths		

Literacy	Use of Tier 3 vocabulary in lessons Mini-tests focussing on knowledge and literacy Exam technique eg. underlining key words
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	Taster Session for Core Maths and A-Level Maths KS4 Maths clubs Beat the teacher
Extracurricular opportunities	Lunchtime support offered where students require extra help. Breakfast, After school and holiday intervention and revision sessions. Maths Challenges and House Competitions Sparx Leader Board
Positive impacting on personal development (SMSC)	In Maths lessons students are always encouraged to portray British Values. They are also 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.

