Subject area: Year 11 Mathematics Foundation (Stage 10 Lite)

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topics	**Foundation:** • Investigating Properties of Shapes • Calculating • Solving Equations and Inequalities I • Mathematical Movement I	**Foundation:** • Algebraic Proficiency: tinkering • Proportional Reasoning • Pattern Sniffing • Calculating Space • Exploring Fractions, Decimals and Percentages • Algebraic Proficiency: visualising	**Foundation:** • Solving Equations and Inequalities II • Analysing Statistics • Mathematical Movement II	**Foundation:** Revision of key concepts as identified from assessments	**Foundation:** Revision of key concepts as identified from assessments	
Assessment	1 BAM Test	2 BAM Tests GCSE Exam Mock 1 – November (1 Paper)	2 BAM Tests GCSE Exam Mock 2 – January (3 Papers)	GCSE Exam Mock 3 – March (2 or 3 Papers)	GCSE Exam (3 Papers)	
Homework	90 minute homework including half size practice paper per week	90 minute homework including half size practice paper per week	90 minute homework including full size practice paper per week	90 minute homework including full size practice paper per week		

Building on prior learning	**Key points for the year will include:** • 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.
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.

Ways to support your child's learning	Check student planner / SPACE for Maths homework and support them with this. Access to commercial websites, have many resources and videos for you to help support your child's learning and revision for assessments. Numeracy can be developed adding totals during a supermarket shop, working with percentages in shop sales etc. **Useful Websites:** **Corbettmaths-** www.corbettmaths.com **Mymaths-** https://www.mymaths.co.uk/ **BBC Bitesize-** https://www.bbc.co.uk/bitesize/examspecs/z9p3mnb **Mathsgenie-** https://www.mathsgenie.co.uk/gcse.html **Mathsbot-** https://mathsbot.com/ **Maths Made Easy-** https://mathsmadeeasy.co.uk/ **On Maths-** https://www.onmaths.com/ **Exam Solutions-** https://www.examsolutions.net/gcse-maths/ **Study Maths-** https://studymaths.co.uk/