

Curriculum Overview

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	Algebraic Proficiency: tinkering Proportional Reasoning Pattern Sniffing Calculating Space	Algebraic Proficiency: visualising Solving Equations and Inequalities II Analysing Statistics	Revision of key concepts as identified from assessments	Revision of key concepts as identified from assessments	
	Movement I	Exploring Fractions, Decimals and Percentages	Mathematical Movement II			
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		

Literer						
Literacy	Use of Tier 3 vocabulary in lessons					
	Mini-tests focussing on knowledge and literacy					
	Exam technique eg. underlining key words					
	Key points for the year will include:					
	 Solve problems involving direct and inverse proportion 					
Building on	 Solve quadratic equations by factorising 					
prior	 Apply trigonometry in two dimensions 					
learning	 Calculate volumes of spheres, cones and pyramids 					
	Understand and use vectors					
Enrichment	Taster Session for Core Maths and A-Level Maths					
within	KS4 Maths clubs					
the Curriculum	Beat the teacher					
	Lunchtime support offered where students require extra help.					
Extracurricular	Breakfast, After school and holiday intervention and revision sessions.					
opportunities	Maths Challenges and House Competitions					
	Sparx Leader Board					
	In Maths lessons students are always encouraged to portray British Values. They are also encouraged to					
Positive	delve deeper into their understanding of Mathematics and how it relates to the world around them.					
impacting on personal	Problem solving skills and teamwork are fundamental to Mathematics, through creative thinking,					
development	discussion, explaining and presenting ideas. Students are always encouraged to develop their					
(SMSC)	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	Development of topics in the areas of Number, Ratio and Proportion, Algebra, Geometry and Statistics.					
the next						
stage of						
education						



Ways to support your child's learning	Check student planner / Inspire 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: Sparx Maths- <u>https://www.sparxmaths.uk/</u> Corbettmaths- <u>www.corbettmaths.com</u> Mymaths- <u>https://www.mymaths.co.uk/</u> BBC Bitesize- <u>https://www.bbc.co.uk/bitesize/examspecs/z9p3mnb</u> Mathsgenie- <u>https://www.mathsgenie.co.uk/gcse.html</u> Mathsbot- <u>https://mathsbot.com/</u> Maths Made Easy- <u>https://mathsmadeeasy.co.uk/</u> On Maths- <u>https://www.onmaths.com/</u> Exam Solutions- <u>https://www.examsolutions.net/gcse-maths/</u> Study Maths- <u>https://studymaths.co.uk/</u>		
Response to COVID	Revisit areas of weakness from Year 10 mocks Targetted starters to address gaps in knowledge Sparx homework based on gaps in knowledge Regular GCSE testing and ideintification of gaps		
Cross Curricular Links	Half termly cross curriucular homework in Sport, History, Astrology, Engineering and Art. Geography – Percentage of an amount, reading bars charts, the averages, coordinates, percentage change Science - Percentage of an amount, percentage change, reading bars charts, constructing bar charts, the		

Assessment Tracking

Tests	Date	Grade