Co-op Academy North Manchester - Year 11 Maths Curriculum

Y11 foundation	HT1	HT2	HT3	HT4	HT5	HT6
Topic(s)	Area & Perimeter Surface Area Volume Straight-line Graphs Real-life Graphs	Transformations Ratio & Proportion Pythagoras Trigonometry Probability	Multiplicative Reasoning Constructions, loci & bearings Quadratic Equations Simultaneous Equations Similarity & Congruence	Exam Revision *Revisiting previously taught content. Use of Assessment Frameworks to identify areas of weakness and misconception.*		Exam Season
Key Concepts	Geometry Algebra	Geometry Ratio & Proportion Probability	Number Geometry Algebra			
Assessment	Bi-weekly Assessments alternating between past-paper style and recently covered topic-based.		January Mock Exam	Bi-weekly Assessments focusing on identified gaps in knowledge.		
Homework	MethodMaths Online Papers					
Wider reading	'The Monty Hall Problem' - Rob Deaves	'The Indisputable Existence of Santa Claus' - Dr Hannah Fry and Dr Thomas Oleron Evans	'The Code Book' - Simon Singh	'The Penguin Dictionary of Curious and Interesting Numbers' - David Wells	'The Number Mysteries' - Marcus du Sautoy	
How to help at home	The two sites below are fantastic resources for revision: - MathsGenie is useful for exam practice - https://www.mathsgenie.co.uk/gcse.html - CorbettMaths is useful for more topic-based practice - https://corbettmaths.com/contents/					

Y11 Higher	HT1	HT2	HT3	HT4	HT5	HT6
Topic(s)	Surface Area Volume Transformations Solving Quadratics	Simultaneous Equations Inequalities Percentage Change Further Trigonometry Probability	Further Statistics Circle Theorems Algebraic Fractions Vectors Transforming Graphs	Exam Revision *Revisiting previously taught content. Use of Assessment Frameworks to identify areas of weakness and misconception.*		Exam Season

Co-op Academy North Manchester - Year 11 Maths Curriculum

Key Concepts	Geometry Algebra	Algebra Number Geometry Probability	Data Geometry Algebra			
Assessment	Bi-weekly Assessments alternating between past-paper style and recently covered topic-based.		January Mock Exam	Bi-weekly Assessments focusing on identified gaps in knowledge.		
Homework	MethodMaths Online Papers					
Wider reading	'Flatterland' - Ian Stewart	'The Indisputable Existence of Santa Claus' - Dr Hannah Fry and Dr Thomas Oleron Evans	'The Code Book' - Simon Singh	'Why do buses come in threes? The Hidden Mathematics of Everyday Life' - Rob Eastaway & Jeremy Wyndham	'How to Cut a Cake: and Other Mathematical Conundrums' - Ian Stewart	
How to help at home	The two sites below are fantastic resources for revision: - MathsGenie is useful for exam practice - https://www.mathsgenie.co.uk/gcse.html - CorbettMaths is useful for more topic-based practice - https://corbettmaths.com/contents/					