



Maths Working Towards - Curriculum Learning Journey

Knowledge & Concepts increase students depth/ challenge and build on previous learning where topics are revisited throughout their learning journey

		Year 7	Year 8	Year 9 Working Towards	Year 10 Crossover Year 1	Year 11
Half Term 1	Topics	Algebraic Thinking	Fractional Thinking Lines and Angles	Number Statistics	Statistics Number	Statistics Geometry GCSE Revision and Preparation
	Knowledge	Sequences Understand and use algebraic notation Equality and Equivalence	Addition and subtraction of fractions Constructing, measuring and using geometric notation	Integers and Place Value Interpreting Graphs Time and Timetables	Two-way Tables Frequency Trees Venn Diagrams Using a Calculator Rounding and Error interval Estimation Multiples and Factors	Averages Stem & Leaf diagram Scatter Graphs Perimeter and Area Circles (Circumference & Area) Volume MOCK Exam 1
Half Term 2	Topics	Place Value and Proportion Applications Of Number	Reasoning with Number	Number Algebra	Number	Topics from MOCK Paper Number
	Knowledge	Place value and ordering integers and decimals Fraction, decimal and percentage equivalence Solving problems with addition and subtraction	Develop geometric reasoning Developing number sense Sets and probability	Decimals Algebra the basics	Prime factor Decomposition Fractions Percentage of Amounts Interest Growth and Decay Reverse Percentage	Ratio Money Problem Solving Proportional and Reasoning
Half Term 3	Topics	Applications Of Number Directed Numbers	Reasoning with Number Proportional Reasoning	Algebra Number	Number Algebra	GCSE Revision



	Knowledge	Solving problems with addition and subtraction (MYA assessment) Solving problems with multiplication and division Fractions and percentages of amounts Directed numbers	Prime numbers and proof (MYA assessment) Ratio and scale Multiplicative change	Expressions and substitution Indices, powers and roots MYA Assessment	Index Law Standard Form Sequences Expanding and Simplifying	GAP Analysis from Mock Exams 1
Half Term 4	Topics	Directed Numbers Fractional Thinking Lines and Angles	Proportional Reasoning Representations	Geometry and measure Number	Algebra	Mock Exams 2 GAP Analysis
	Knowledge	Operations and equations with directed numbers Addition and subtraction of fractions Constructing, measuring and using geometric notation	Multiplying and dividing fractions Working in the cartesian plane Representing Data	Perimeter and Area Fractions and Percentages	Factorisation Solving Equations Subject of Simultaneous Equations	
Half Term 5	Topics	Lines and Angles Reasoning with Number	Representations Algebraic Techniques	Number Statistics Geometry and measure	Algebra Geometry and Measure	
	Knowledge	Constructing, measuring and using geometric notation Develop geometric reasoning Developing number sense	Representing Data Tables and probability Brackets, equations and identities	Fractions and Percentages Probability Properties of shapes	Inequalities Alternate and Corresponding Angles Bearings	
Half Term 6	Topics	Reasoning with Number	Algebraic Techniques Developing Number	Geometry End Of Year Exams and GAP analysis	Geometry End Of Year Exams and GAP analysis	
	Knowledge	Sets and probability Developing number sense Developing number sense	Sequences Indices Fraction and percentages	Simple Angle Facts End Of Year Assessments Circles and direction 3d forms	Interior and Exterior Angles Consolidation	



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