

	Year: 10		Pathway: Foundation		Subject: Mathematics	
IMPLEMENTATION						
<b>INTENT</b> (including key concepts and skills)	<b>Half Term 1</b> <b>Key Vocabulary:</b> Simplify, expand, substitute, data, chart, correlation <b>Prior Learning / LTM:</b> KS3 algebra and statistics <b>Cultural Capital:</b> Producing an array of charts to display data	<b>Half Term 2</b> <b>Key Vocabulary:</b> Fraction, percentage, profit, interest, formula, sequence <b>Prior Learning / LTM:</b> KS3 number, algebra and ratio <b>Cultural Capital:</b> Profit and loss	<b>Half Term 3</b> <b>Key Vocabulary:</b> Angles, alternate, corresponding, interior, exterior <b>Prior Learning / LTM:</b> KS3 geometry <b>Cultural Capital:</b> Angles to help in computing such as image structure	<b>Half Term 4</b> <b>Key Vocabulary:</b> Averages, sampling, area, perimeter, compound, volume, surface area <b>Prior Learning / LTM:</b> KS3 geometry and statistics <b>Cultural Capital:</b> Analyse lists of data	<b>Half Term 5</b> <b>Key Vocabulary:</b> Gradient, intercept, parallel, reflection, rotation, enlargement, translation, congruent, similar <b>Prior Learning / LTM:</b> KS3 algebra and geometry <b>Cultural Capital:</b> Conversion graphs	<b>Half Term 6</b> <b>Key Vocabulary:</b> Ratio, share, proportion, currency, inverse, <b>Prior Learning / LTM:</b> KS3 ratio <b>Cultural Capital:</b> Converting between currencies and finding best value for money
<b>NUMBER</b> Calculate fluently with integers, fractions and decimals		x				
<b>ALGEBRA</b> Use of variables to represent unknown values	x	x			x	
<b>RATIO</b> Understand how ratios including percentages are used		x				x
<b>GEOMETRY</b> Use properties of shapes to solve problems			x	x	x	
<b>STATISTICS</b> Perform calculations with data sets to draw conclusions	x			x		
<b>PROBABILITY</b> Compare theoretical and experimental probabilities						
<b>IMPACT</b>	<b>Assessment:</b> Topic Assessment <b>Progression to Year 11:</b> Factorising quadratics	<b>Assessment:</b> Topic Assessment <b>Progression to Year 11:</b> Mixed fractions	<b>Assessment:</b> Topic Assessment <b>Progression to Year 11:</b> Angles in polygons	<b>Assessment:</b> Topic Assessment <b>Progression to Year 11:</b> Cylinders	<b>Assessment:</b> Topic Assessment <b>Progression to Year 11:</b> Vectors	<b>Assessment:</b> Topic Assessment <b>Progression to Year 11:</b> Proportional graphs

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	Year: 10		Pathway: Higher		Subject: Mathematics	
	IMPLEMENTATION					
INTENT (including key concepts and skills)	<b>Half Term 1</b> <b>Key Vocabulary:</b> Simplify, expand, factorise, substitute, solve, sequence, average, chart, correlation <b>Prior Learning / LTM:</b> KS3 algebra and statistics <b>Cultural Capital:</b> Producing an array of charts to display data	<b>Half Term 2</b> <b>Key Vocabulary:</b> Fraction, repeated change, profit, interior, exterior, Pythagoras, trigonometry <b>Prior Learning / LTM:</b> KS3 number, ratio and geometry <b>Cultural Capital:</b> Percentage profit	<b>Half Term 3</b> <b>Key Vocabulary:</b> Gradient, intercept, parallel, perpendicular, quadratic, cubic, reciprocal, solution <b>Prior Learning / LTM:</b> KS3 algebra <b>Cultural Capital:</b> Explain rates of change	<b>Half Term 4</b> <b>Key Vocabulary:</b> Area, volume, compound, bounds, inequality, notation, transformation, scale, bearings, construction, loci <b>Prior Learning / LTM:</b> KS3 geometry <b>Cultural Capital:</b> Identifying where CCTV cameras need to go	<b>Half Term 5</b> <b>Key Vocabulary:</b> Quadratic, expression, equation, simultaneous, probability <b>Prior Learning / LTM:</b> KS3 algebra and probability <b>Cultural Capital:</b> Gambling awareness	<b>Half Term 6</b> <b>Key Vocabulary:</b> Unitary, compound, depreciation, density, pressure, proportion, graph <b>Prior Learning / LTM:</b> KS3 algebra and ratio <b>Cultural Capital:</b> Bank loans
<b>NUMBER</b> Calculate fluently with integers, fractions and decimals		x				
<b>ALGEBRA</b> Use of variables to represent unknown values	x		x		x	x
<b>RATIO</b> Understand how ratios including percentages are used		x				x
<b>GEOMETRY</b> Use properties of shapes to solve problems		x		x		
<b>STATISTICS</b> Perform calculations with data sets to draw conclusions	x					
<b>PROBABILITY</b> Compare theoretical and experimental probabilities					x	
<b>IMPACT</b>	<b>Assessment:</b> Topic Assessment <b>Progression to Year 11:</b> Designing data tables	<b>Assessment:</b> Topic Assessment <b>Progression to Year 11:</b> Circle theorems	<b>Assessment:</b> Topic Assessment <b>Progression to Year 11:</b> Gradient of curved graphs	<b>Assessment:</b> Topic Assessment <b>Progression to Year 11:</b> Area under graphs	<b>Assessment:</b> Topic Assessment <b>Progression to Year 11:</b> Quadratic inequalities	<b>Assessment:</b> Topic Assessment <b>Progression to Year 11:</b> Algebraic proportion

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