

	Year: 7		Pathway: Pi		Subject: Mathematics	
	IMPLEMENTATION					
<b>INTENT</b> (including key concepts and skills)	<b>Half Term 1</b> <b>Key Vocabulary:</b> Average, calculate, negative <b>Prior Learning / LTM:</b> KS2 number skills <b>Cultural Capital:</b> Understanding different statistical diagrams	<b>Half Term 2</b> <b>Key Vocabulary:</b> Substitution, solve, evaluate <b>Prior Learning / LTM:</b> KS2 usage of letters for unknowns and number skills <b>Cultural Capital:</b> Real-life graphs, using formulae such as cooking times	<b>Half Term 3</b> <b>Key Vocabulary:</b> BIDMAS, factor, multiple, units <b>Prior Learning / LTM:</b> KS2 number skills <b>Cultural Capital:</b> Converting metric units	<b>Half Term 4</b> <b>Key Vocabulary:</b> Area, perimeter, angle, symmetry <b>Prior Learning / LTM:</b> KS2 properties of shapes <b>Cultural Capital:</b> Rangoli patterns	<b>Half Term 5</b> <b>Key Vocabulary:</b> Numerator, denominator, polygon, rotate, reflect, translate <b>Prior Learning / LTM:</b> Times tables <b>Cultural Capital:</b> Sales and discounts	<b>Half Term 6</b> <b>Key Vocabulary:</b> Integer, ratio <b>Prior Learning / LTM:</b> KS2 number skills and numeracy skills from half term 1 <b>Cultural Capital:</b> Working with negative numbers and ratio in real-life context
<b>NUMBER</b> Calculate fluently with integers, fractions and decimals	x		x		X	x
<b>ALGEBRA</b> Use of variables to represent unknown values		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						
<b>IMPACT</b>	<b>Assessment:</b> Topic Assessment <b>Progression to KS4:</b> Number skills	<b>Assessment:</b> Topic Assessment <b>Progression to KS4:</b> Algebra manipulation	<b>Assessment:</b> Topic Assessment <b>Progression to KS4:</b> Significant figures and scale drawing	<b>Assessment:</b> Topic Assessment <b>Progression to KS4:</b> Angle calculations	<b>Assessment:</b> Topic Assessment <b>Progression to KS4:</b> Mixed fractions	<b>Assessment:</b> Topic Assessment <b>Progression to KS4:</b> Sharing into ratio

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	Year: 7		Pathway: Theta		Subject: Mathematics	
IMPLEMENTATION						
<b>INTENT</b> (including key concepts and skills)	<b>Half Term 1</b> <b>Key Vocabulary:</b> Average, calculate, negative, factors, multiples <b>Prior Learning / LTM:</b> KS2 number skills <b>Cultural Capital:</b> Understanding different statistical diagrams	<b>Half Term 2</b> <b>Key Vocabulary:</b> Substitution, solve, evaluate, area, perimeter <b>Prior Learning / LTM:</b> KS2 usage of letters for unknowns, number skills and properties of shapes <b>Cultural Capital:</b> Using formulae such as cooking times	<b>Half Term 3</b> <b>Key Vocabulary:</b> Numerator, denominator, chance, percentage, probability <b>Prior Learning / LTM:</b> Times tables <b>Cultural Capital:</b> Sales and discounts	<b>Half Term 4</b> <b>Key Vocabulary:</b> Ratio, proportion, angle <b>Prior Learning / LTM:</b> KS2 number skills and properties of shapes <b>Cultural Capital:</b> Working ratio in real-life context	<b>Half Term 5</b> <b>Key Vocabulary:</b> Sequence, graph, mid-point, rotate, reflect, translate <b>Prior Learning / LTM:</b> KS2 number skills <b>Cultural Capital:</b> Rangoli patterns	<b>Half Term 6</b> <b>Key Vocabulary:</b> Estimate, power, HCF, LCM <b>Prior Learning / LTM:</b> Half term 1 and 2 skills <b>Cultural Capital:</b> Estimating amounts
<b>NUMBER</b> Calculate fluently with integers, fractions and decimals	x		x			x
<b>ALGEBRA</b> Use of variables to represent unknown values		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					
<b>PROBABILITY</b> Compare theoretical and experimental probabilities			x			
<b>IMPACT</b>	<b>Assessment:</b> Topic Assessment <b>Progression to KS4:</b> Number skills	<b>Assessment:</b> Topic Assessment <b>Progression to KS4:</b> Algebra manipulation	<b>Assessment:</b> Topic Assessment <b>Progression to KS4:</b> Mixed fractions	<b>Assessment:</b> Topic Assessment <b>Progression to KS4:</b> Angle calculations	<b>Assessment:</b> Topic Assessment <b>Progression to KS4:</b> Enlargement	<b>Assessment:</b> Topic Assessment <b>Progression to KS4:</b> Laws of indices

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	Year: 7		Pathway: Delta		Subject: Mathematics	
	IMPLEMENTATION					
INTENT (including key concepts and skills)	<b>Half Term 1</b> <b>Key Vocabulary:</b> Average, BIDMAS, negative, factor, multiple <b>Prior Learning / LTM:</b> KS2 number skills <b>Cultural Capital:</b> Understanding different statistical diagrams	<b>Half Term 2</b> <b>Key Vocabulary:</b> Substitution, solve, evaluate, numerator, denominator <b>Prior Learning / LTM:</b> KS2 usage of letters for unknowns and number skills <b>Cultural Capital:</b> Using formulae such as cooking times	<b>Half Term 3</b> <b>Key Vocabulary:</b> Angle, parallel, percentage, interest <b>Prior Learning / LTM:</b> KS2 number skills <b>Cultural Capital:</b> Sales and discounts	<b>Half Term 4</b> <b>Key Vocabulary:</b> Equation, metric, ratio, proportion <b>Prior Learning / LTM:</b> Half term 2 algebra skills and KS2 number skills <b>Cultural Capital:</b> Form and solve equations to real-life problems	<b>Half Term 5</b> <b>Key Vocabulary:</b> Perimeter, area, sequence, graph, mid-point <b>Prior Learning / LTM:</b> Half term 2 algebra skills and KS2 properties of shapes <b>Cultural Capital:</b> Finding area of material needed	<b>Half Term 6</b> <b>Key Vocabulary:</b> Prime, estimating, indices <b>Prior Learning / LTM:</b> Term 1 numeracy skills <b>Cultural Capital:</b> Estimating amounts
<b>NUMBER</b> Calculate fluently with integers, fractions and decimals	x	x				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	
<b>STATISTICS</b> Perform calculations with data sets to draw conclusions	x					
<b>PROBABILITY</b> Compare theoretical and experimental probabilities						
<b>IMPACT</b>	<b>Assessment:</b> Topic Assessment <b>Progression to KS4:</b> Number skills	<b>Assessment:</b> Topic Assessment <b>Progression to KS4:</b> Algebra manipulation	<b>Assessment:</b> Topic Assessment <b>Progression to KS4:</b> Repeated percentage change	<b>Assessment:</b> Topic Assessment <b>Progression to KS4:</b> Quadratic equations	<b>Assessment:</b> Topic Assessment <b>Progression to KS4:</b> Volume of prisms	<b>Assessment:</b> Topic Assessment <b>Progression to KS4:</b> Laws of indices

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