

	Year: 11		Pathway: Foundation		Subject: Mathematics	
	IMPLEMENTATION					
INTENT (including key concepts and skills)	Half Term 1 Key Vocabulary: Pythagoras, trigonometry, probability, speed, density, pressure, percentage Prior Learning / LTM: KS3 ratio, geometry and probability Cultural Capital: Gambling awareness	Half Term 2 Key Vocabulary: Faces, bisector, elevation, loci, bearing, expression, area, perimeter, volume Prior Learning / LTM: KS3 algebra and ratio Cultural Capital: Identifying where CCTV cameras need to go	Half Term 3 Key Vocabulary: Improper, standard form, congruence, scale factor, vector, simultaneous Prior Learning / LTM: KS3 number, algebra and geometry Cultural Capital: Solving real-world problems	Half Term 4 Key Vocabulary: Revision, practice, notes, past paper Prior Learning / LTM: Whole course Cultural Capital: Getting a qualification	Half Term 5 Key Vocabulary: Revision, practice, notes, past paper Prior Learning / LTM: Whole course Cultural Capital: Getting a qualification	Half Term 6 Key Vocabulary: - Prior Learning / LTM: - Cultural Capital: -
<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	x	
<b>RATIO</b> Understand how ratios including percentages are used	x			x	x	
<b>GEOMETRY</b> Use properties of shapes to solve problems	x	x	x	x	x	
<b>STATISTICS</b> Perform calculations with data sets to draw conclusions				x	x	
<b>PROBABILITY</b> Compare theoretical and experimental probabilities	x			x	x	
<b>IMPACT</b>	<b>Assessment:</b> Topic Assessment <b>Progression to Grade 6:</b> Similar shapes	<b>Assessment:</b> Mock exam <b>Progression to Grade 6:</b> Quadratic formula	<b>Assessment:</b> Mock exam <b>Progression to Grade 6:</b> Worded simultaneous equation	<b>Assessment:</b> - <b>Progression to Grade 6:</b> -	<b>Assessment:</b> GCSE Exams <b>Progression to Grade 6:</b> -	<b>Assessment:</b> - <b>Progression to Grade 6:</b> -

Cultural Capital is the body of knowledge a student needs so that they can flourish in the future and not be left behind. LTM = Long Term Memory.

	Year: 11		Pathway: Higher		Subject: Mathematics	
IMPLEMENTATION						
INTENT (including key concepts and skills)	Half Term 1 Key Vocabulary: Congruent, volume, trigonometry, sampling, bias, charts, averages Prior Learning / LTM: KS3 geometry and statistics Cultural Capital: Finding angles of elevation and depression	Half Term 2 Key Vocabulary: Expand, sketch, notation, iteration, angle, equation of line, fraction, function, proof Prior Learning / LTM: KS3 algebra and geometry Cultural Capital: Understand how a computer solves an equation	Half Term 3 Key Vocabulary: Vector, area, gradient, transformation, proportion Prior Learning / LTM: KS3 algebra, ratio and geometry Cultural Capital: Explain how a vector transforms an image on a computer screen	Half Term 4 Key Vocabulary: Revision, practice, notes, past paper Prior Learning / LTM: Whole course Cultural Capital: Getting a qualification	Half Term 5 Key Vocabulary: Revision, practice, notes, past paper Prior Learning / LTM: Whole course Cultural Capital: Getting a qualification	Half Term 6 Key Vocabulary: - Prior Learning / LTM: - Cultural Capital: -
<b>NUMBER</b> Calculate fluently with integers, fractions and decimals				x	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	x	
<b>GEOMETRY</b> Use properties of shapes to solve problems	x	x	x	x	x	
<b>STATISTICS</b> Perform calculations with data sets to draw conclusions	x			x	x	
<b>PROBABILITY</b> Compare theoretical and experimental probabilities				x	x	
<b>IMPACT</b>	<b>Assessment:</b> Topic Assessment <b>Progression to A-Level:</b> Trigonometric identities	<b>Assessment:</b> Mock exam <b>Progression to A-Level:</b> Newton-Raphson	<b>Assessment:</b> Mock exam <b>Progression to A-Level:</b> Calculus	<b>Assessment:</b> - <b>Progression to A-Level:</b> -	<b>Assessment:</b> GCSE Exams <b>Progression to A-Level:</b> -	<b>Assessment:</b> - <b>Progression to A-Level:</b> -

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