S4 COURSE PLAN NATIONAL 4 ROUTE

Term 1 August - October	Patterns and Relationships	Number patterns/sequences	Revisit number sequences and explain the term 'nth' term
			Write equation to represent sequence in relation to its position in the sequence
			Substitution given term to calculate answer or answer to calculate term
	Circle	Angles	Revision of complementary and supplementary angles
		Angles on parallel lines	Angles on parallel lines including alternate (Z), corresponding (F), allied (or co-interior) U and vertically opposite angles.
		Relationship between radius & tangent	Tangent to a circle
		Angles in semi-circle	Calculate angles in a semi-circle where right-angle is at the vertex on circumference from diameter using angles in triangle add up to 180 degrees.
			Use Pythagoras Theorem to calculate missing side
			Use SOHCAHTOA to calculate missing side or angle
	Percentages	Money - percentages	Simple Interest
			Compound Interest

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TERM 2 - October to December			
Angles, Symmetry and Transformation	Right angled triangles - Trigonometry	Bearings (revise)	
		SOHCAHTOA - Use bearings to find a distance or direction	
Circle	Circumference & Area	Circumference & Area of a Circle	
	Calculating the length of arc or the area of a sector of a circle	Calculating the length of arc	
		Calculating the area of a sector of a circle	
Ratio & Proportion	Ratio	Calculate ratio given quantities, writing in simplest form	
		Calculate a quantity, given ratio	

TERM 3 January - March			
Statistics	Statistics	Five figure summaries	
		Box Plots - draw and interpret data i.e., each quartile represents 25% regardless of how large it is compared to the other quadrants	
		Compare two box plots and interpret data	
		Interquartile range & Semi-interquartile range	
		Standard Deviation	
Project			

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TERM 4 - April to May			
	Inequalities	Inequalities	Solve inequalities - terms on both sides
	SQA EXAMS		