Maths Year 9 foundation curriculum map



Year 9	T1	T2	Т3	T4	T5	Т6
Content / Topic for Term Key	Fractions Decimals Percentages Algebra • How to work	Constructions and loci Linear graphs Real life graphs Probability • Define SSS/SAS/	Perimeter and Area Volume Circles Solving equations • Formulae for 2D	Pythagoras Collecting and representing data Angle recap • Square and cube	Trigonometry Ratio and proportion How to use	Sequences Expanding, factorising and solving • Determine the
knowledge for acquisition, recall and application in assessment or exam	out a percentage of an amount (with or without a calculator) • How to work out 1% • Define simple and compound interest • Define improper and mixed fractions • Use of KFC for division of fractions • Basic algebraic manipulation • How to use a bracket to	 ASA/RHS triangles Steps needed to bisect a line Steps needed to bisect an angle The loci of a fixed point How to plot in all four quadrants Define the terms gradient and intercept The general equation of a line Draw and interpret a twoway table Define the terms relative frequency and theoretical 	shapes Define a compound shape Parts of a circle Formulae for circumference and area of a circle Define a prism Formulae for volumes of 3D shapes Steps to solve a one and two-step equation Steps to solve a pair of simultaneous equations Methods of	numbers up to 12x12 and 5x5x5 Pythagoras' theorem and how to rearrange it Label a triangle correctly How to interpret and complete a tally chart Steps to construct a bar chart/pie chart Angle facts for parallel lines How to calculate the sum of interior angles using triangles	Sin/Cos/Tan buttons on a calculator • How to use formula triangles for Sin/Cos/Tan • How to use inverse Trig ratio buttons on calculator • How to rearrange a formula • Define the term ratio • Know the difference between ratio and fractions	term-term rule for a sequence Generate a sequence from a pattern Define a factor and multiple Basic algebraic expressions

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	represent a product	know the difference	substitution			
Key skills to apply in assessment or exam	 Calculate compound or simple interest using a formula Divide any pair of fractions using KFC 	 Use a pair of compasses/ protractor to construct types of triangle Use a pair of compasses/ protractor to construct loci Plot a line using gradient and intercept Calculate the probability of an event 	 Use formulae to find areas/volumes Solve a linear multi-step equation Solve a pair of simultaneous equations 	Find a missing side using Pythagoras Calculate the sum of interior angles in a polygon	Calculate the missing side/angle in a right-angled triangle	Find the nth term of a sequence
Title of Knowledge	Fractions	Coordinates and linear graphs	Perimeter and area	Pythagoras' Theorem	Right-angled trigonometry	Sequences
Organiser	Calculating with	Pasis probability	Circumference and	Depresenting data	Datio	Algebra
	percentages	Basic probability	area	Representing data	Ratio	
		Loci and constructions	Volume		Proportion	

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