Long Term Plan 2023-24

Subject: Mathematics



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2			
Year 7	Number sense and calculations	Expressions and equations	2D shapes	Factors and multiples	Angles	Fractions, decimals and percentages			
	Calculations with	<mark>Measures</mark>	Perimeter and area	Fractions	Handling data	Densenteres			
	negative numbers		Co-ordinates	Brackets	Ratio	Percentages			
	Order of operations								
Year 8	Calculating	Number and the Number	Exploring and calculating fractions	Proportional reasoning	Investigating angles	Understanding risk			
			decimals and	Pattern sniffing	Calculating space	Presenting and			
	Algebraic Proficiency (tinkering)	Mathematical Movement	percentages	Solving equations and		measuring data			
		Visualising and	Algebraic	inequalities					
		Constructing	(Visualising)						
Year 9	Measuring data	Algebraic Proficiency	Pattern sniffing	Calculating space	Algebraic proficiency	Solving equations and			
	Calculating	Proportional reasoning	Solving equations	Conjecturing	(graphs)				
	Visualising and		and inequalities		Understanding risk	Presentation of data			
	constructing								
End of Kev Stage 3									
Year	Two way tables Frequency trees	Calculating with fractions	Percentages	Inequalities	Calculating with standard form	Pythagoras Theorem			
10F		Ratio	Algebraic	Linear equations	Angles	Trigonometry			
	Use of a calculator	Direct and indirect	manipulation	Rearranging formulae	Angles	Circles, arcs and			
	Product of	proportion	Sequences		Plans and elevations	sectors			
	plines/hcr/tcm				loci				
Year	Rounding and estimating	Standard Form and Index	Bearings	Averages Scatter Graphs Time	Similar area and Volume	Recurring decimals			
10H	Roomaing and community	LUWS	Pythagoras	series	Vectors	Product rule			
	Fractions	Inequalities Forming Equations	Trigonometry	Non-Linear Graphs	Probability trees and Venn	Indices			
	Direct/indirect Proportion	Quadratics	O · · · · · · ,	Compound Measures	Diagrams				

		Changing the Subject	Arcs and Sectors	Real-life Graphs		Bounds				
	Percentages	Plane and Elevations	Surface area and		Simultaneous Equations	Surala				
		Plans and Elevations	Surface area and			Suras				
		Constructions and Loci	volume							
Year	Volume and Surface	Coordinate geometry	Trigonometry	Probability	EXAM PREP					
real	Area		, , , , , , , , , , , , , , , , , , ,							
115		Compound measures	Transformations	Venn diagrams						
	Averages	Real life graphs								
			Vectors	Simultaneous						
	Statistical diagrams	Similarity		equations and a second se						
Year	Co-ordinate Geometry	Advanced trigonometry	Algebraic Fractions	Functions	EXAM PREP					
	Surface great and	Similarity in 2D	Roxplots histograms	Vectors						
11H	volume		and sampling	vectors						
	Volonie	Quadratic formula and	ana samping	Proof						
	Direct and indirect	iteration	Circle Geometry							
	proportion									
		Circle theorems								
End of Key Stage 4										
Year 12	Proof	Coordinate Geometry	Exponentials &	Sampling	Kinematics	Proof by Contradiction				
	Algebraic Expressions	Circles	Logarithms	Data presentation	Forces	Functions				
	Surds & Indices	Binomial Expansions	Differentiation	Data Interpolation	Newton's Laws	Graph Transformations				
	Quadratics & Cubics	Trigonometry	Integration	Probability		Partial Fractions				
	Simultaneous Equations		Vectors	Statistical Distributions		Mock Prep				
	Inequalities			Binomial Hypothesis		Binomial Expansion 2				
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Year 13	Irigonometry 2	Differentiation 2	Numerical Methods	Ine Normal Distribution	Moments Exam Bron	Exams				
	Parametric Equations	integration 2	Correlation 8	Ninematics 2	Exam riep					
	raramenic Equations		Pegression	Dynamics						
			Probability 2							
End of Key Stage 5										