



TNHA Curriculum Planning Document

Subject: Mathematics

Year: 9 Foundation

Timescale	Autumn		Spring		Summer	
Prior Learning (from KS2/3)	KS3 – Symmetry KS3 – Fractions KS3 – Co-ordinates	KS3 – Calculations of integers KS3 – Basic Percentages KS3 – Understanding ratio	KS3 – Basic area formula KS3 – Index notation KS3 – Frequency Tables	KS3 – Probability scales KS3 – Algebraic substitution	KS4 – Block 1 KS3 – Rounding numbers	KS3 – Term to term sequences KS4 – Block2
Topic/ Unit title	Block 1 Learning: Coordinates Scale and units Properties of number Symmetry Fractions Maps and Angles	Block 2 Learning: Decimals Directed Number Shape Percentages Ratio and Proportion Statistics	Block 3 Learning: Spending Money Introductions to algebra and formulae Collecting and recording data Perimeter and area Powers and brackets	Block 4 Learning: Graphs Probability 3D Shapes Earning money	Block 5 Learning: Estimation Equations Fractions 2 Properties of Number 2 Angles and shape	Block 6 Learning: Co-ordinates and Graphs Decimals 2 Sequences Using Statistics Percentages 2
SMSC/Cultural Capital/Character/FBV-outline specific areas that are covered in this unit	Golden Ratio's. History of Maths. Origin of Ratio's in art and the Human Body.	Types of Number and their Origin. Rangoli Patterns and their Cultural Origin. Varying Multiplication Methods used around the World.	Financial Maths	Financial Maths. History of Maths. Types of Number and their Origin.	Euclidean Geometry. Mental Strategies for 'Every Day' Maths.	Research into Famous Mathematician's, looking at Social and Moral Barriers to their Lives.
Assessment Opportunities	Each block is assessed by an end of topic test. Each term is assessed using an end of termly test. The whole year is assessed using an end of year test.					
Links to other units in KS3/4.	Strong links to Block 5	Strong links to Block 6			Recapping over Block 1	Recapping over Block 2



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Prior Learning (from KS2/3)	KS3 – Understanding algebraic notation KS4 – Area formulas Block 3	KS3 – Types of symmetry KS3 – Using mathematical equipment. KS3 – Squares and roots	KS4 – Enlargements (Block 8) KS3 – Multipliers	KS3 – Solving basic equations. KS4 – Probability (Block 4)		
Topic/ Unit title	Block 7 Learning: Using Formulae Expressions, equations and inequalities Area and Volumes	Block 8 Learning: Ratio and Proportion Transformations Loci Pythagoras	Block 9 Learning: Similar and congruent shapes Similar Triangles Trig Ratios	Block 10 Learning: Graphs, Quadratics and Cubics Simultaneous Equations Direct and Inverse Proportion Probability	Revision Plan Covers Block 1,2,5 &6 from Year 9	
SMSC/Cultural Capital/Character/FBV-outline specific areas that are covered in this unit	TBD	TBD	TBD	TBD		
Assessment Opportunities	Each block is assessed by an end of topic test. Each term is assessed using an end of termly test. The whole year is assessed using an end of year test.					
Links to other units in KS3/4.	Essential prior learning in Block 3			Probability work in Block 4 needs recapping first.		



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Prior Learning (from KS2/3)						
Topic/ Unit title	Revision of Blocks 3,4,7,8		Exam Preparation Full in depth programme, where what is covered is specifically chosen to the weaknesses of the group. Significant independent learning will be done by students who understand the objectives being covered.			
SMSC/Cultural Capital/Character/FBV- outline specific areas that are covered in this unit	The importance of addressing individual targets in the coming months.		Dealing with stress Motivation of improving scores How to improve exam preparation.			
Assessment Opportunities			Exam paper every two weeks QLA of this to decide on the objectives to be covered.			
Links to other units in KS3/4.						