



**Maths Curriculum Plan – Nuneaton Academy**

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**KEY STAGE 3**

YEAR	1st Half of the year (Sept – January)	2nd Half of the year (Jan –July)	
<b>7</b>	7.01 Place Value and Number Sense 7.02 Addition and Subtraction 7.03 Perimeter 7.04 Rounding and Estimation (in Real Life Situations) 7.05 Multiplication and Division 7.06 Factors and Multiples 7.07 Area of Rectangles, Triangles and Parallelograms	7.08 Fractions as Part of a Whole 7.09 Fractions - Addition and Subtraction 7.10 Fractions - Compare and Order 7.11 Fraction of an Amount 7.12 Order of Operations 7.13 Basic Rules of Algebra 7.14 Expand and Factorise	7.15 Substitution 7.16 Angles 7.17 Polygons 7.18 Symmetry and Reflection 7.19 Coordinates 7.20 Mean 7.21 Two Way Tables and Venn Diagrams
	Mid-Year Assessment: Assessment of all Term 1 Content.	End of Year Assessment: Assessment of all Year 7 content.	



<b>8</b>	8.01 Indices 8.02 Primes 8.03 Rounding 8.04 Fractions 8.05 Negative Number Review 8.06 Linear Equations 8.07 Linear Equations in Context 8.08 Coordinates and Basic Graphs	8.09 Units of Measurement 8.10 Angles in Parallel Lines 8.11 Interior and Exterior Angles 8.12 Circumference 8.13 Proportional Reasoning 8.14 Fractions, Decimals and Percentages	8.15 Ratio 8.16 Area of Circles and Trapezia 8.17 Presenting and Interpreting Data 8.18 Averages 8.19 3-D Visualisation 8.20 Volume
	Mid-Year Assessment: Assessment of all Term 1 Content.	End of Year Assessment: Assessment of all Year 8 content.	
<b>9</b>	9.01 Place Value and Number Properties 9.02 Decimals 9.03 Rounding and Estimation 9.04 Indices, Powers and Roots 9.05 Factors, Multiples and Primes 9.06 Ratio 9.07 Fractions, Decimals and Percentages 9.08 Fractions 9.09 Percentages	9.11 Notation 9.12 Simplifying and Index Laws 9.13 Expanding and Factorising 9.14 Expressions and Substitution 9.15 Linear Equations 9.16 Linear Inequalities	9.20 Angle Facts 9.21 Parallel Lines 9.22 Circles 9.23 Volume 9.24 Surface Area 9.25 Sequences 9.26 Basic Vectors 9.27 Plans and Elevations



	9.10 Proportion	9.17 Perimeter and Area 9.18 Pythagoras 9.19 Properties of Shapes	
	Mid-Year Assessment: Assessment of all Term 1 Content.	End of Year Assessment: Assessment of all Year 9 content.	

## **KEY STAGE 4**

2023-24 KS4 Overview															
Term	Unit	NEW	Term	Unit	Topic - Foundation	Term	Unit	New	Term	Unit	Topic - Higher				
HT1	F1	Solving equations and rearranging formulae	HT7	11.01	Pythagoras	HT1	H1	Rearranging formulae	HT7	11.01	Algebraic proof				
	F2	Linear Graphs		11.02	Right angled Trigonometry		H2	Linear Graphs		11.02	Solving quadratics & further Simultaneous equations				
	F3	Linear Simultaneous Equations		11.03	Bearings & Scale Drawings		H3	Linear Simultaneous Equations		11.03	Functions				
	F4	Volume 2	HT8	11.04	Transformations		H4	Volume 2		11.04	Iteration				
HT2	F5	Compound Measures		11.05	Congruence	H5	Compound Measures	11.05		Further inequalities					
	F6	Quadratics - graphical	HT9	11.06	Vectors	HT2	H6	Quadratics - graphical	11.06	Bearings					
	F7	Quadratics - algebraic		11.07	Similar shapes	H7	Quadratics - algebraic	HT8	11.07	Circle theorems					
F8	Further graphs	11.08		Constructions & Loci	H8	Further graphs	11.08	Further Trigonometry & Trigonometric graphs							
HT3	F9	Probability 2				HT3	H9	Probability 2	HT9	11.09	Statistics (Further)				
	F10	Statistics 2					H10	Statistics 2		11.10	Transformations				
HT4	F10*	Standard Form					H11	Cumulative Frequency and Box Plots		11.11	Congruence				
	F11	Ratio 2				H11*	Standard Form*2023/24 only	11.12		Vectors					
	F12	Growth & Decay				H12	Growth & Decay	11.13		Gradients (Further), and area under a graph					
HT5	F13	Pythagoras Review				HT4					H13	Ratio 2	HT10	11.14	Kinematics
	F14	Bearings & Scale Drawings									H14	Ratio 3	11.15	Graphical transformations	



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	H15	Similar shapes		11.16	Constructions & Loci
HT5	H16	Algebraic proportion			
	H17	Surds			
	H18	Right angled Trigonometry			
HT6	H19	Bounds			
	H20	Bearings and scale drawings			
	H21	Transformations 2			