



What I will know and understand by the end of Year 8.

	Themes	This year in Mathematics we will be learning:	This links to:	Key Vocabulary & Notation		
1		A Numerate Citizen <ul style="list-style-type: none"> Block 1 – Ratio & scale Block 2 – Multiplicative change Block 3 – Multiplying & dividing fractions 	<ul style="list-style-type: none"> Revisits area, equations and converting improper fractions and mixed numbers. Links to fractions of an amount. 	<ul style="list-style-type: none"> Position Term Linear Non-Linear Graphical 	<ul style="list-style-type: none"> Function Input Output Inverse Expression 	<ul style="list-style-type: none"> Equal = Equivalent \equiv Like Terms Form Solve
2		An Informed Citizen <ul style="list-style-type: none"> Block 4 – Working in the cartesian plane Block 5 – Representing data Block 6 – Tables & Probability 	<ul style="list-style-type: none"> Revisits calculation with directed number and Venn diagrams & set notation. Links to solving one and two step linear equations, and representing data and using graphs. 	<ul style="list-style-type: none"> Axes (plural) Axis (singular) Origin Gradient Y-intercept 	<ul style="list-style-type: none"> Correlation Line of best fit Estimate Outlier 	<ul style="list-style-type: none"> Sample space Event Outcome Intersection Union
3		The Language of the Universe <ul style="list-style-type: none"> Block 7 – Brackets, equations & inequalities Block 8 - Sequences Block 9 – Indices 	<ul style="list-style-type: none"> Revisits the use of directive number. Solve equations set in the context of earlier contexts - shapes, angles, probability, ratio etc. 	<ul style="list-style-type: none"> Equivalent Coefficient Expression Term Simplify 	<ul style="list-style-type: none"> Position Term Linear Non-linear Fibonacci 	<ul style="list-style-type: none"> Expression Index/Indices Power Exponent Base
4		A Numerate Citizen <ul style="list-style-type: none"> Block 10 – Fractions & percentages Block 11 – Standard index form Block 12 – Number sense 	<ul style="list-style-type: none"> Revisits fraction, decimal and percentage equivalence. Revisits formal methods for calculation, for integers and fractions. Compare and use ratios with FDP. 	<ul style="list-style-type: none"> Multiplier Growth Profit/Loss Original Invest 	<ul style="list-style-type: none"> Standard form Commutative Reciprocal Power 	<ul style="list-style-type: none"> Integer Bounds Estimate Significant figure
5		The Construction of the World <ul style="list-style-type: none"> Block 13 – Angles in parallel lines & polygons Block 14 – Area of trapezia & circles Block 15 – Lin symmetry & reflection 	<ul style="list-style-type: none"> Revisits forming and solving equations. Revisits properties of shape. Revisits equations of straight lines. 	<ul style="list-style-type: none"> Adjacent Transversal Corresponding Alternate Co-interior 	<ul style="list-style-type: none"> Formula Parallelogram Rhombus Trapezium Pi π 	<ul style="list-style-type: none"> Polygon Regular Congruent Vertex Perpendicular
6		An Informed Citizen <ul style="list-style-type: none"> Block 16 – The data handling cycle Block 17 – Measures of location 	<ul style="list-style-type: none"> Revisits finding the range. Use algebraic substitution to form lists for averages and the range. Links to data collection and representation. 	<ul style="list-style-type: none"> Hypothesis Primary/secondary data Frequency Proportion 	<ul style="list-style-type: none"> Mean Median Mode Measure of location Outlier 	

Target Grade:		AP1:		AP2:		AP3:	
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