



SIR GRAHAM BALFOUR SCHOOL



CURRICULUM OVERVIEW – KEY STAGE 3 WHITE ROSE MATHEMATICS

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	<p><i>Algebraic Thinking</i></p> <ul style="list-style-type: none"> Sequences Understand & use algebraic notation Equality & equivalence 	<p><i>Place value & Proportion</i></p> <ul style="list-style-type: none"> Place value & ordering integers and decimals Fraction, decimal & percentage equivalence 	<p><i>Application of number</i></p> <ul style="list-style-type: none"> Solving problems with addition & subtraction Solving problems with multiplication and division Fractions and percentages of amounts 	<p><i>Directed number</i></p> <ul style="list-style-type: none"> Operations & equations with directed numbers <p><i>Fractional Thinking</i></p> <ul style="list-style-type: none"> Adding & Subtraction of fractions 	<p><i>Lines & angles</i></p> <ul style="list-style-type: none"> <i>Constructing, measuring & using geometric notation</i> Develop geometrical reasoning 	<p><i>Reasoning with number</i></p> <ul style="list-style-type: none"> Developing number sense Sets & probability Prime numbers & proof
Year 8	<p><i>Proportional reasoning</i></p> <ul style="list-style-type: none"> Ratio & scale Multiplicative change Multiplying and dividing fractions 	<p><i>Representations</i></p> <ul style="list-style-type: none"> Working in the cartesian plane Representing data Tables & probability 	<p><i>Algebraic techniques</i></p> <ul style="list-style-type: none"> Brackets, equations and inequalities Sequences Indices 	<p><i>Developing number</i></p> <ul style="list-style-type: none"> Fractions & percentages Standard index form Number sense 	<p><i>Developing geometry</i></p> <ul style="list-style-type: none"> Angles in parallel lines and polygons Area of trapezia and circles Line symmetry and reflection 	<p><i>Reasoning with data</i></p> <ul style="list-style-type: none"> The data handling cycle Measures of location
Year 9	<p><i>Reasoning with Algebra</i></p> <ul style="list-style-type: none"> Straight line graphs Forming & solving equations Testing conjectures 	<p><i>Constructing in 2d & 3d</i></p> <ul style="list-style-type: none"> Three dimensional shapes Constructions & congruency 	<p><i>Reasoning with number</i></p> <ul style="list-style-type: none"> Numbers Using percentages Maths & money 	<p><i>Reasoning with geometry</i></p> <ul style="list-style-type: none"> Deduction Rotation & translation Pythagoras' theorem 	<p><i>Reasoning with proportion</i></p> <ul style="list-style-type: none"> Enlargement & similarity Solving ratio and proportion Rates Probability 	<p><i>Algebra</i></p> <ul style="list-style-type: none"> Algebraic representations <p><i>Revision</i></p> <ul style="list-style-type: none"> Revision