

St Giles' C of E Primary School ALGEBRA Progression

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>ALGEBRA</p> <p>(Year 6 is the only year group, which has Algebra as a specific strand All other year group statements appear in other strands of the maths curriculum - either as statutory requirements or within the non-statutory notes and guidance)</p>	<ul style="list-style-type: none"> Explore missing number problems using practical objects eg. There are 5 friends altogether. We can see 3 so how many are inside the tent? 	<ul style="list-style-type: none"> Solve missing number problems such as: = \square - 9 	<ul style="list-style-type: none"> solve missing number problems using bonds to 20 and related facts to 100 solve missing number sentences involving 2x, 5x and 10x tables using inverse operations count forwards and backwards in steps of 2, 3 and 5 to complete number sequences and state the 'rule' 	<ul style="list-style-type: none"> solve problems, including missing number problems, involving all four operations solve missing number sentences involving 2x, 3x, 4x, 5x, 8x and 10x tables using inverse operations complete and extending number sequences, stating the 'rule' solve problems involving scaling problems and correspondence problems in which n objects are connected to m objects 	<ul style="list-style-type: none"> solve missing number sentences involving all four operations and times-tables up to 12x12 identify patterns and describe rules including with negative numbers solve problems involving integer scaling and harder correspondence problems such as n objects are connected to m objects begin to know that perimeter can be expressed algebraically as $2(a + b)$ where a and b are the dimensions in the same unit 	<ul style="list-style-type: none"> recognise and describe linear number sequences, including those involving fractions and decimals, and find the term-to-term rule calculate the perimeter of rectangles and related composite shapes, including using the relations of perimeter and area to find unknown lengths eg $4 + 2b = 20$ for a rectangle of sides 2 cm and b cm and perimeter of 20cm 	<ul style="list-style-type: none"> use simple formulae generate and describe linear number sequences using algebraic notation express missing number problem algebraically find pairs of numbers that satisfy an equation with two unknowns enumerate possibilities of combinations of two variables, numbers and proper fractions