

Kingsclere (CE) Primary School – progression map for new National Curriculum 2014
Algebra



Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
EQUATIONS					
<p><i>solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$ (copied from Addition and Subtraction)</i></p>	<p><i>recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems. (copied from Addition and Subtraction)</i></p>	<p><i>solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. (copied from Addition and Subtraction)</i></p>		<p><i>use the properties of rectangles to deduce related facts and find missing lengths and angles (copied from Geometry: Properties of Shapes)</i></p>	<p>express missing number problems algebraically</p>
		<p><i>solve problems, including missing number problems, involving multiplication and division, including integer scaling (copied from Multiplication and Division)</i></p>			
	<p><i>recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 (copied from Addition and Subtraction)</i></p>				<p>find pairs of numbers that satisfy number sentences involving two unknowns</p>
<p><i>represent and use number bonds and related subtraction facts within 20 (copied from Addition and Subtraction)</i></p>					<p>enumerate all possibilities of combinations of two variables</p>

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FORMULAE					
			<p><i>Perimeter can be expressed algebraically as $2(a + b)$ where a and b are the dimensions in the same unit.</i></p> <p><i>(Copied from NSG measurement)</i></p>		<p>use simple formulae</p> <hr/> <p><i>recognise when it is possible to use formulae for area and volume of shapes</i></p> <p><i>(copied from Measurement)</i></p>
SEQUENCES					
<p><i>sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening</i></p> <p><i>(copied from Measurement)</i></p>	<p><i>compare and sequence intervals of time</i></p> <p><i>(copied from Measurement)</i></p>				<p>generate and describe linear number sequences</p>
	<p><i>order and arrange combinations of mathematical objects in patterns</i></p> <p><i>(copied from Geometry: position and direction)</i></p>				