



Thomas Russell Infants' School
Number: Algebra Progression Document

Key of Text Colours

EYFS Development Matters (DM) & NC Objectives

NC Objective appears elsewhere within the same topic progression document

NC Objective also appears in another topic progression document

Nursery 3-4 year olds	Reception	Early Learning Goals	Year 1	Year 2	Year 3
EQUATIONS					
<p>Experiment with their own symbols and marks as well as numerals</p> <p>Solve real world mathematical problems with numbers up to 5</p> <p>Talk about and identify patterns around them eg stripes on clothes, designs on rugs and wallpaper. Use informal language like 'pointy', 'spotty', 'blobs'</p> <p>Extend and create ABAB patterns - stick, leaf, stick, leaf</p> <p>Notice and correct an error in a repeating pattern</p>	<p>Continue, copy and create repeating patterns</p> <p>Automatically recall number bonds for numbers 0-5 and some to 10</p> <p>Explore the composition of numbers to 10</p>	<p>Have a deep understanding of numbers to 10 including the composition of each number</p> <p>Automatically recall number bonds to 5 and some number bonds to 10 including double facts</p> <p>Explore and represent patterns within numbers to 10, including evens and odds, double facts and how quantities can be distributed equally</p>	<p>Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations and missing number problems such as</p> <p>$7 = \square - 9$ (Addition and Subtraction NC Objective)</p>	<p>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems (Addition and Subtraction NC Objective)</p>	<p>Solve problems including missing number problems, using number facts, place value and more complex addition and subtraction (Addition and Subtraction NC Objective)</p>



Thomas Russell Infants' School
Number: Algebra Progression Document

Key of Text Colours

EYFS Development Matters (DM) & NC Objectives

NC Objective appears elsewhere within the same topic progression document

NC Objective also appears in another topic progression document

<p>Begin to describe a sequence of events, real or fictional, using words such as 'first', 'then'</p>				<p>Solve problems involving multiplication and division, calculating the answer using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts (Multiplication and Division NC Objective)</p>	<p>Solve problems, including missing numbers, involving multiplication and division, including integer scaling (Multiplication and Division NC Objective)</p>
				<p>Recall and use number bonds and related subtraction facts within 20 (Addition and Subtraction NC Objective)</p>	
			<p>Represent and use number bonds and related subtraction facts within 20 (Addition and Subtraction NC Objective)</p>		



Thomas Russell Infants' School
Number: Algebra Progression Document

Key of Text Colours

EYFS Development Matters (DM) & NC Objectives

NC Objective appears elsewhere within the same topic progression document

NC Objective also appears in another topic progression document

SEQUENCES					
			Sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening (Measurement NC Objective)	Compare and sequence intervals of time (Measurement NC Objective)	
				Order and arrange combinations of mathematical objects in patterns (Geometry: position and direction NC Objective)	