

St James Maths Long Term Plan

Black – Unit name

Blue – Statements to teach from progression document

Red – Statement from National Curriculum to teach or use for planning purposes.

	Autumn 1 (7)	Autumn 2 (7)	Spring 1 (5)	Spring 2 (6)	Summer 1 (6)	Summer 2 (6)
<p>Year 3</p> <p>The principal focus of mathematics teaching in lower key stage 2 is to ensure that pupils become increasingly fluent with whole numbers and the four operations, including number facts and the concept of place value. This should ensure that pupils develop efficient written and mental methods and perform calculations accurately with increasingly large whole numbers. At this stage, pupils should develop their ability to solve a range of problems, including with simple fractions and decimal place value. Teaching should also ensure that pupils draw with increasing accuracy and develop mathematical reasoning so they can</p>	<p>Number: Place Value</p> <ul style="list-style-type: none"> - <i>count from 0 in multiples of 50 and 100 [3NPV-4]</i> - <i>recognise the place value of each digit in a three-digit number (hundreds, tens, ones) [3NPV-2]</i> - <i>find 10 or 100 more or less than a given number [3NPV-3]</i> - <i>identify, represent and estimate numbers using different representations [3NPV-1]</i> <p>Number: Addition and Subtraction</p>	<p>Number: Place Value</p> <ul style="list-style-type: none"> - <i>read and write numbers up to 1000 in numerals and in words [3NPV-2]</i> - <i>count from 0 in multiples of 4 and 8 [3NF-2]</i> <p>Number: Addition and Subtraction</p> <ul style="list-style-type: none"> - <i>add numbers with up to three digits, using formal written methods of columnar addition [3NF-1], [3AS-2], [3AS-3]</i> <p>Number: Multiplication and Division</p>	<p>Number: Multiplication and Division</p> <ul style="list-style-type: none"> - <i>recall and use multiplication facts for the 8 multiplication tables [3NF-2], [3MD-1]</i> - <i>recall and use division facts for the 8 multiplication tables [3NF-2], [3MD-1]</i> <p>Statistics</p> <ul style="list-style-type: none"> - <i>interpret and present data using pictograms</i> <p>Fractions</p> <ul style="list-style-type: none"> - <i>recognise and show, using diagrams, equivalent fractions with</i> 	<p>Number: Addition and Subtraction</p> <ul style="list-style-type: none"> - <i>add numbers with renaming with up to three digits, using formal written methods of columnar addition [3NF-1], [3AS-2], [3AS-3]</i> - <i>subtract numbers with up to three digits, using formal written methods of columnar subtraction [3AS-2], [3AS-3]</i> <p>Number: Multiplication and Division</p> <ul style="list-style-type: none"> - <i>write and calculate mathematical statements for</i> 	<p>Number: Multiplication and Division</p> <ul style="list-style-type: none"> - <i>write and calculate mathematical statements for multiplication with regrouping using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods</i> <p>Statistics</p> <ul style="list-style-type: none"> - <i>interpret and present data using bar charts</i> 	<p>Number: Addition and Subtraction</p> <ul style="list-style-type: none"> - <i>subtract numbers with renaming with up to three digits, using formal written methods of columnar subtraction [3AS-2], [3AS-3]</i> <p>Number: Multiplication and Division</p> <ul style="list-style-type: none"> - <i>write and calculate mathematical statements for division using the multiplication tables that they know, including for two-digit numbers times one-digit</i>

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<p>analyse shapes and their properties, and confidently describe the relationships between them. It should ensure that they can use measuring instruments with accuracy and make connections between measure and number.</p>	<ul style="list-style-type: none"> - <i>add and subtract numbers mentally, including:</i> <ul style="list-style-type: none"> * <i>a three-digit number and ones</i> * <i>a three-digit number and tens</i> * <i>a three-digit number and hundreds [3NF-3], [3AS-3]</i> * <i>[MG Calculate complements to 100 – 3AS-1]</i> <p>Number:</p> <p>Multiplication and Division</p> <ul style="list-style-type: none"> - <i>recall and use multiplication facts for the 3 multiplication tables [3NF-2], [3MD-1]</i> - <i>recall and use division facts for the 3</i> 	<ul style="list-style-type: none"> - <i>recall and use multiplication facts for the 4 multiplication tables [3NF-2], [3MD-1]</i> - <i>recall and use division facts for the 4 multiplication tables [3NF-2], [3MD-1]</i> <p>Measurement:</p> <p>Length and Perimeter</p> <ul style="list-style-type: none"> - <i>Compare lengths (m/cm/mm);</i> <p>Fractions</p> <ul style="list-style-type: none"> - <i>recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators</i> - <i>count up and down in tenths</i> 	<p><i>small denominators [3F-1]</i></p> <p>Measurement:</p> <p>Time</p> <ul style="list-style-type: none"> - <i>tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks</i> <p>Geometry:</p> <p>Properties of Shape</p> <ul style="list-style-type: none"> - <i>identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are</i> 	<p><i>multiplication using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods</i></p> <p>Measurement:</p> <p>Money</p> <ul style="list-style-type: none"> - <i>add amounts of money to give change, using both £ and p in practical contexts</i> <p>Measurement:</p> <p>Length and Perimeter</p>	<p>Fractions</p> <ul style="list-style-type: none"> - <i>add fractions with the same denominator within one whole (e.g. $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$)</i> <p>Geometry:</p> <p>Properties of Shape</p> <ul style="list-style-type: none"> - <i>Identify perpendicular lines [3G-2]</i> - <i>identify parallel lines [3G-2]</i> - <i>identify horizontal and vertical lines [3G-2]</i> <p>Measurement:</p> <p>Time</p> <ul style="list-style-type: none"> - <i>compare durations of events, for example to calculate the</i> 	<p><i>numbers, using mental and progressing to formal written methods</i></p> <ul style="list-style-type: none"> - <i>write and calculate mathematical statements for division with regrouping using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods</i> <p>Measurement:</p> <p>Money</p> <ul style="list-style-type: none"> - <i>subtract amounts of money to give</i>
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	<p><i>multiplication tables [3NF-2], [3MD-1]</i></p> <p>Measurement: Length and Perimeter</p> <ul style="list-style-type: none"> - <i>measure lengths (m/cm/mm)</i> <p>Fractions</p> <ul style="list-style-type: none"> - <i>recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators [3F-2]</i> <p>Geometry: Properties of Shape</p> <ul style="list-style-type: none"> - <i>draw 2-D shapes [3G-2]</i> 	<p>Geometry: Properties of Shape</p> <ul style="list-style-type: none"> - <i>recognise angles as a property of shape or a description of a turn [3G-1]</i> 	<p><i>greater than or less than a right angle [3G-1]</i></p>	<ul style="list-style-type: none"> - <i>add and subtract: lengths (m/cm/mm)</i> <p>Fractions</p> <ul style="list-style-type: none"> - <i>compare and order unit fractions, and fractions with the same denominators [3F-3]</i> <p>Geometry: Properties of Shape</p> <ul style="list-style-type: none"> - <i>make 3-D shapes using modelling materials</i> 	<ul style="list-style-type: none"> - <i>time taken by particular events or tasks</i> - <i>estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight</i> 	<p><i>change, using both £ and p in practical contexts</i></p> <p>Measurement: Length and Perimeter</p> <ul style="list-style-type: none"> - <i>measure the perimeter of simple 2-D shapes</i> <p>Fractions</p> <ul style="list-style-type: none"> - <i>subtract fractions with the same denominator within one whole (e.g. $\frac{5}{7} - \frac{1}{7} = 4/7$) [3F=4]</i> <p>Geometry: Properties of Shape</p> <ul style="list-style-type: none"> - <i>Draw 3-D shapes</i>
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	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6						
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number: Place Value		Number: Addition and Subtraction					Number: Multiplication and Division			Consolidation	
Spring	Number: Multiplication and Division		Measurement: Money	Statistics		Measurement: Length and Perimeter			Number: Fractions		Consolidation	
Summer	Number: Fractions		Measurement: Time			Geometry: Properties of Shape		Measurement: Mass and Capacity			Consolidation	

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