

St James Maths Long Term Plan

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	Autumn 1 (7)	Autumn 2 (7)	Spring 1 (5)	Spring 2 (6)	Summer 1 (6)	Summer 2 (6)
<p>Year 2</p> <p>The principal focus of mathematics teaching in key stage 1 is to ensure that pupils develop confidence and mental fluency with whole numbers, counting and place value. This should involve working with numerals, words and the four operations, including with practical resources [for example, concrete objects and measuring tools].</p> <p>At this stage, pupils should develop their ability to recognise, describe, draw, compare and sort different shapes and use the related vocabulary.</p> <p>[MG 2NF-1] covered in rapid recall</p>	<p>Place Value - <i>Recognise the place value of each digit in a two-digit number (tens, ones) [2NPV-1]</i></p> <p><i>count in steps of 2 forward or backward from any number.[2NPV-2]</i></p> <p>Length – <i>choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</i></p> <p>Addition and subtraction – <i>Add 3 1 digit numbers</i></p> <p><i>Adding 2 digit and a 1 digit</i></p> <p><i>Subtract a 1 digit from a 2 digit [2AS-1][2AS-3]</i></p>	<p>Place Value – <i>count in steps of 10 forward or backward from any number[2NPV-2]</i></p> <p><i>Compare and order numbers from 0 up to 100; use <, > and = signs [2NPV-2]</i></p> <p><i>read and write numbers to at least 100 in numerals and in words</i></p> <p>Addition and subtraction – <i>Adding 2 digit and tens</i></p> <p><i>Subtract a tens number from a 2 digit number. [2AS-2] [2AS-3]</i></p> <p>Length – <i>Compare and order lengths and record the results using >, < and =</i></p> <p>Fractions - <i>recognise, find, name and write fractions 1/3 of a shape</i></p>	<p>Place Value – <i>Count in steps of 5 forward or backward from any number.[2NPV-2]</i></p> <p><i>count in steps of 3 forward or backward from any number.[2NPV-2]</i></p> <p>Placing missing numbers on number line.</p> <p>Addition and Subtraction <i>Adding 2 digit and 2 digit (not renaming/regrouping)</i></p> <p><i>Subtract a 2 digit from a 2 digit (not renaming/regrouping) [2AS-2][2AS-4]</i></p> <p>Weight – <i>Compare and order, mass and record the results using >, < and =</i></p> <p>Multiplication and Division <i>Dividing using grouping</i></p> <p><i>Dividing using grouping</i></p>	<p>Place Value – <i>Recognise the place value of each digit in a two-digit number (tens, ones) [2NPV-1]</i></p> <p>Time – <i>tell and write the time to five minutes and draw the hands on a clock face to show these times.</i></p> <p>Addition and Subtraction <i>Adding with renaming/regrouping</i></p> <p><i>Subtract a 2 digit from 2 digit (renaming) [2AS-2][2AS-4]</i></p> <p>Volume/capacity – <i>Compare and order volume/capacity and record the results using >, < and =</i></p> <p>Fractions - <i>recognise, find, name and write fractions 1/3 of a length, shape, set of objects or quantity</i></p> <p><i>write simple fractions e.g.</i></p>	<p>Addition and Subtraction re – cap with missing numbers, inverse etc.</p> <p><i>recall at least four of the six 2 number bonds for 10 and reason about associated facts (e.g. $6 + 4 = 10$, therefore $4 + 6 = 10$ and $10 - 6 = 4$) [2AS-2][2AS-3][2As-4]</i></p> <p>Geometry – <i>identify and describe the properties of 2-D shapes, including line symmetry in a vertical line</i></p> <p><i>Compare and sort 3-D shapes and everyday objects.</i></p> <p><i>order and arrange combinations of mathematical objects in patterns and sequences .[2G-1]</i></p> <p>Multiplication and division re-cap with focus on</p>	<p>PUMA test</p>

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	<p>Geometry – <i>identify and describe the properties of 2-D shapes, including the number of sides [2G-1]</i></p> <p>Multiplication and Division <i>multiplication of equal groups 2s and 10s [2MD-1] [2MD-2]</i></p> <p>Time – <i>know the number of minutes in an hour and the number of hours in a day.</i></p> <p>Statistics – <i>interpret and construct simple pictograms, tally charts, block diagrams and simple tables</i></p> <p>Fractions - <i>recognise, find, name and write fractions 1/4, 2/4 and 3/4 of a shape</i></p>	<p>Weight – <i>choose and use appropriate standard units to estimate and measure mass (kg/g) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</i></p> <p>Multiplication and Division <i>multiplication of equal groups 5s [2MD-1] [2MD-2]</i></p> <p>Geometry – <i>identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces [2G-1]</i></p> <p>Time – <i>tell and write the time to quarter past/to the hour and draw the hands on a clock face to show these times.</i></p>	<p><i>(split do not teach one after the other) [2MD-2]</i></p> <p>Capacity/volume – <i>Choose and use appropriate standard units to estimate and measure capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</i></p> <p>Fractions - <i>recognise, find, name and write fractions 1/4, 2/4 and 3/4 of a length, set of objects or quantity</i></p> <p>Money – <i>recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</i></p> <p>Geometry – <i>compare and sort common 2-D shapes and everyday objects.[2G-1]</i></p> <p>Statistics – <i>ask and answer simple questions by counting the number of objects in each category and sorting the</i></p>	<p><i>1/2 of 6 = 3 and recognise the equivalence of 2/4 and 1/2.</i></p> <p><i>Pupils should count in fractions up to 10, starting from any number and using the 1/2 and 2/4 equivalence on the number line</i></p> <p>Measures – <i>choose and use appropriate standard units to estimate and measure temperature (°C) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</i></p> <p>Money – <i>solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change</i></p> <p>Geometry – <i>identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]</i> <i>use mathematical vocabulary to describe position, direction and</i></p>	<p>commutative [2MD-1] [2MD-2]</p> <p>Odd and even numbers</p> <p>Statistics – <i>ask and answer questions about totalling and comparing categorical data</i></p> <p>Time - <i>compare and sequence intervals of time</i></p> <p>SATS</p>	
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		<p>Money – <i>find different combinations of coins that equal the same amounts of money</i></p> <p>PUMA test</p>	<p><i>categories by quantity</i></p> <p>SATS Paper</p>	<p><i>movement including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise) [2G-1]</i></p> <p>PUMA test</p>		
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	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				Measurement: Money		Number: Multiplication and Division		
Spring	Number: Multiplication and Division		Statistics		Geometry: Properties of Shape			Number: Fractions			Measurement: Length and Height	Consolidation
Summer	Geometry: Position and Direction			Problem solving and efficient methods		Measurement: Time		Measurement: Mass, Capacity and Temperature			Investigations	