



Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Rec and KS1 Mathematics Mastery						
R	<p><u>Pattern and shape</u> Recognise, create and describe shapes with mathematical language</p> <p><u>Same and different</u> Estimate and check numbers, recognising if they are same or different.</p> <p><u>Numbers within 5</u> Recognise, count and order numbers; say which numbers are 'more or less'</p>	<p><u>Measure</u> Talk about, compare, measure and order objects and Quantities</p> <p><u>Numbers within 10</u> Count reliably, place in order, recognise numerals, use ordinals, understand zero</p> <p><u>Shape and calendar</u> Explore characteristics of shape, using mathematical language. Use everyday language to discuss time.</p>	<p><u>Position and Time</u> Use everyday language to talk about time; use mathematical language to describe position</p> <p><u>Numbers within 15</u> Recognise, count and order numbers; estimate and compare groups of objects</p> <p><u>Numbers within 20</u> Recognise, count and order numbers; estimate and compare groups of objects</p>	<p><u>Shape and pattern</u> Explore, discuss, recognise, classify and describe in mathematical language.</p> <p><u>Addition and Subtraction (1)</u> Add and subtract single-digit numbers by counting on or back; subitise within five</p> <p><u>Numbers beyond 20 (1)</u> Recognise, count and order numbers to 50; estimate and compare groups of objects</p>	<p><u>Measure</u> Compare objects and quantities, solve size, weight and capacity problems in everyday language</p> <p><u>Grouping and sharing</u> Solve practical problems involving groups of 2, 5 or 10; explore counting in steps of 2.</p> <p><u>Money</u> Recognise, compare and order coins and their values using everyday language.</p>	<p><u>Doubling and halving</u> Solve problems and explore the relationship between doubling and halving</p> <p><u>Addition and Subtraction (2)</u> Compare quantities to solve problems that include doubling, halving and sharing</p> <p><u>Numbers beyond 20 (2)</u> Recognise, count, order and estimate numbers to 100; solve problems including grouping and sharing.</p>



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- Caring
- Courageous
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1	<p><u>Numbers to 10</u> Count, read, write, identify, represent, double and half, and use comparative language.</p> <p><u>Addition and subtraction within 10</u> Represent and use number bonds; read, write, interpret, represent and solve.</p> <p><u>Shapes and patterns</u> Recognise common 2-D and 3-D shapes; describe position, direction and movement.</p>	<p><u>Numbers to 20</u> Count, read, write, identify, represent, double and half, and use comparative language.</p> <p><u>Addition and subtraction within 20</u> Augmentation and reduction. Represent and use number bonds; read, write, interpret and solve one-step problems.</p>	<p><u>Time</u> Tell the time to the hour and half-past the hour; solve practical problems for time.</p> <p><u>Exploring calculation strategies within 20</u> Represent and use number bonds; use concrete and pictorial representation to solve one-step problems</p> <p><u>Numbers to 50</u> Count, read, write, identify, represent in numerals and words; recognise place value.</p>	<p><u>Adding and subtracting within 50</u> Represent and use number bonds; read, write, interpret and solve one-step problems.</p> <p><u>Fractions</u> Recognise, find and name a half and a quarter as one of two or four equal parts respectively.</p> <p><u>Measures (1): Length and weight</u> Compare, describe, measure, record and solve practical problems.</p>	<p><u>Numbers 50 to 100 and beyond</u> Count from a given number in 1s, 2s, 5s and 10s; represent, identify and estimate numbers; recognise place value.</p> <p><u>Addition and subtraction within 100</u> Represent and use number bonds; read, write, interpret and solve one-step problems.</p> <p><u>Money</u> Recognise and value coins and notes; solve one-step addition/subtraction problems.</p>	<p><u>Multiplication and division</u> Solve one-step problems using concrete and pictorial representations and arrays.</p> <p><u>Measures (2):</u> Capacity and volume Compare, describe, measure, record and solve practical problems.</p>
2	<p><u>Numbers within 100</u> Use place value and number facts to solve problems; identify, represent, compare and order numbers.</p> <p><u>Add and subtract 2-digit numbers</u> Build addition/subtraction facts/methods to 100; understand commutativity.</p> <p><u>Addition and subtraction word</u></p>	<p><u>Measuring length</u> Understand appropriate units of measure (cm, m); compare and order; read scales to 100.</p> <p><u>Graphs</u> Interpret and construct tables, tally charts, pictograms and block diagrams; ask/answer questions about totaling and comparing data.</p> <p><u>Multiplication and</u></p>	<p><u>Fractions</u> Recognise, find, name and write simple fractions of objects and quantities; recognise equivalences between fractions</p> <p><u>Time</u> Tell and write the time to five minutes; compare and sequence intervals of time.</p> <p><u>Addition and</u></p>	<p><u>Money</u> Recognise units symbols (£, p); explore combinations of money; solve simple problems, including giving change.</p> <p><u>Faces, shapes and patterns; lines and turns</u> Identify and describe properties of 2-D and 3-D shapes; compare and sort common shapes and objects; describe position and</p>	<p><u>Numbers within 1000</u> Use, identify and represent place value and number facts to solve problems; compare, read, write and order numbers.</p> <p><u>Measures: capacity and volume</u> Understand appropriate units of measure; compare and order; read scales to 1000.</p> <p><u>Measures: mass</u></p>	<p><u>Exploring calculation strategies</u> Add/subtract numbers mentally and using formal written methods</p> <p><u>Multiplication and division by 3 and 4</u> Recall and use facts for the 3 and 4 times tables; calculate mathematical statements; solve problems using concrete, pictorial, written and mental</p>



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	<p><u>problems</u> Solve problems using concrete and pictorial representations to develop mental and written methods; recognise inverse relationships of operations.</p>	<p><u>division by 2, 5 and 10</u> Calculate mathematical statements; understand commutativity; solve problems using concrete, pictorial, written and mental methods.</p>	<p><u>subtraction of 2-digit numbers (regrouping and adjusting)</u> Solve problems involving numbers, quantities and measures; estimate and check calculations.</p>	<p>movement in mathematical language</p>	<p>Understand appropriate units of measure; compare and order; read scales to 1000.</p>	<p>methods.</p>
KS2 Southwark MTP						
3	<p>Number and place value Addition Subtraction Properties of shape Multiplication Division</p>	<p>Fractions Time Angles Length Money Addition and Subtraction (mental methods) Data handling Multiplication and Division (facts)</p>	<p>Number and Place value Addition Subtraction Properties of 3D shapes Data handling Multiplication Division</p>	<p>Fractions Time Addition and Subtraction Mass and Capacity Multiplication and Division</p>	<p>Number and place value Addition Subtraction Properties of Shape Multiplication and Division Fractions</p>	<p>Time Length and perimeter Data handling Money Addition and subtraction Multiplication and division Problem solving (all operations)</p>
4	<p>Number and place value Decimals (and place value) Addition and Subtraction Properties of Shape (2D) and Angles Multiplication Division</p>	<p>Fractions Time Money Length and Perimeter Addition and Subtraction (Mental Methods) Data handling Multiplication and Division (Mental Methods)</p>	<p>Number and place value Negative Numbers and Roman Numerals Addition and Subtraction Properties of Shape (2D) And Position and Direction Multiplication Division</p>	<p>Fractions including decimals Time Perimeter and Area Addition and Subtraction (Mental Methods) Mass and Capacity</p>	<p>Number and place value Decimals (and place value) Addition and Subtraction Multiplication and division (Mental Methods) Multiplication Division</p>	<p>Fractions Time and Money Perimeter and Area Properties of Shapes Position and Direction Data Handling Length, Mass and Capacity</p>
5	<p>Number and place value Decimals and place value Addition and</p>	<p>Percentages (Time) Statistics (reading time tables) Mass and Capacity</p>	<p>Number and place value Negative Numbers and Roman Numerals</p>	<p>Fractions Fractions, Decimals and Percentages Length, Perimeter,</p>	<p>Number and place value Decimals place value and Addition</p>	<p>Fractions, decimals and percentages Units of Measurement Position and</p>



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	Subtraction Properties of 2D Shapes (Angles) Multiplication Division Fractions (including decimals)	Multiplication and division (Mental Methods) Position and direction	Addition and Subtraction Properties of Shape (2D) (including angles) Multiplication Division	Area, Volume Statistics Addition and Subtraction (Mental Methods and problem solving)	Subtraction Length, perimeter, area and volume Properties of Shape (2D & 3D) Multiplication Division	Direction and Statistics Multiplication and division (mental methods) Addition and subtraction (mental methods) Problem solving (all operations)
6	Number and place value Decimals/ place value & Addition/ Subtraction Multiplication Division Algebra Calculation (mental methods) & Statistics (mean average)	Fraction Ratio and proportion (including percentages) Properties of shapes Data handling Perimeter, area and volume) Measurement & Statistics Geometry- Properties of shape and position and direction	Number and place value Negative Numbers & Roman Numerals Multiplication Division Algebra Geometry (angles) Fractions including decimals and percentages	Ratio and Proportion (including percentages) Properties of Shapes Data handling mean and average Problem Solving all operations Perimeter, area and volume	Need 2017 update	