

Provision Maths Curriculum Map – Maths

	Term 1 Content Autumn 1	Term 2 Content Autumn 2	Term 3 Content Spring 1	Term 4 Content Spring 2	Term 5 Content Summer 1	Term 6 Content Summer 2	Desired end of year outcomes
<p>mdesousa@glebe.bromley.sch.uk, ihicks@glebe.bromley.sch.uk</p>	<p>Match, sort and compare</p> <ul style="list-style-type: none"> - Matching objects - Matching pictures and objects - Identify a set - Sort objects to a type - Explore sorting techniques - Create sorting rules - Compare amounts. <p>Talk about measures and patterns</p> <ul style="list-style-type: none"> - Comparing size, mass and capacity. - Explore simple patterns - Copy and continue simple patterns - Create simple patterns. 	<p>Number (1,2,3)</p> <ul style="list-style-type: none"> - Find, subitise and represent numbers 1,2 and 3. - Find 1 more and 1 less. - Composition of 1, 2 and 3. <p>Circles and Triangles</p> <ul style="list-style-type: none"> - Identify, compare and name circles and triangles. - Find shapes in the environment. - Describe the position of shapes. <p>Number (1-5)</p> <ul style="list-style-type: none"> - Find,subitise and represent 4 and 5. - Find 1 more and 1 less - Composition of numbers 1 – 5. <p>Shapes with 4 sides</p> <ul style="list-style-type: none"> - Identify combine and name shapes with 4 sides. - Find shapes in the environment 	<p>Number (5)</p> <ul style="list-style-type: none"> - Introduce zero. - Find subitise and represent numbers 0 – 5. - Find 1 more and 1 less. - Composition of numbers. - Conceptual subitising to 5. <p>Mass and capacity</p> <ul style="list-style-type: none"> - Compare mass - Find a balance - Explore and compare capacity. <p>Number (6,7,8)</p> <ul style="list-style-type: none"> - Find and represent 6,7 and 8. - Find 1 more and 1 less. - Composition of 6,7 and 8. - Find and make doubles to 8. - Combine 2 groups. - Conceptual subitising. 	<p>Length, height and time</p> <ul style="list-style-type: none"> - Explore and compare length. - Explore and compare height. - Talk about time. - Day and night - Order and sequence time. <p>Number (9 and 10)</p> <ul style="list-style-type: none"> - Find, compare and represent numbers 9 and 10. - Conceptual subitising to 10. - Finding 1 more and 1 less. - Composition to 10. - Bonds to 10 (2 and 3 parts) - Make arrangements of 10. - Find and make doubles to 10. - Explore odd and even. <p>3D shapes</p> <ul style="list-style-type: none"> - Recognise, find and use 3-D shapes. - Identify more complex patterns, copy and continue. - Find patterns in the environment. 	<p>Numbers to 20 and beyond.</p> <ul style="list-style-type: none"> - Build numbers and continue patterns beyond 10 (10 – 13) - Build numbers and continue patterns beyond 10 (14 – 20) - Verbal counting beyond 20 - Verbal counting patterns. <p>How many now?</p> <ul style="list-style-type: none"> - Add more - How many did I add? - Take away - How many did I take away? <p>Manipulate, compose and decompose</p> <ul style="list-style-type: none"> - Select shapes for a purpose - Rotate and manipulate shapes - Explain shape arrangements - Compose and decompose shapes - Copy 2D shape pictures. - Find 2D shapes within 3D shapes. 	<p>Sharing and grouping</p> <ul style="list-style-type: none"> - Explore sharing and grouping. - Odd and even sharing - Play with and build doubles. <p>Visuals, build and map</p> <ul style="list-style-type: none"> - Identify units of repeating patterns. - Create and explore own pattern rules. - Replicate and build scenes and constructions. - Visualise from different positions - Describe positions - Give instructions to build - Explore mapping - Represent maps with models - Create own maps from familiar places - Create own maps from plans of stories. 	<p>Recognise, order and represent numbers to 20.</p> <p>Subitise numbers to 5.</p> <p>Recognise and name simple 2D shapes.</p> <p>Build and recognise patterns.</p> <p>Use positional language</p> <p>Create and recreate maps.</p> <p>Identify and use terminology of odd and even numbers.</p> <p>Understand and use terminology of doubles.</p> <p>Group and share numbers.</p>

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<p>FS Entry Level 1: mdeousa@glebe.bromley.sch.uk,</p>	<p>Number - Read, write, order and compare numbers up to 20. - Use whole numbers to count up to 20 items, including zero.</p> <p>Calculation Fluency - Add numbers which total up to 20, and subtract numbers from numbers up to 20. - Recognise and interpret the symbols +, - and =.</p>	<p>Measures – Money - Recognise coins and notes, where these involve numbers up to 20. - Write numbers using the correct symbols (£ and p), where these involve numbers up to 20.</p> <p>Measures – Length - Describe and make comparisons in words between measures of items length, height and width.</p>	<p>Measures – Time - Name and sequence the days of the week and months of the year. - Name and sequence the seasons in a year. - Know the number of days in a week. - Know the number of months in a year. - Read the 12 hour digital and analogue clocks.</p>	<p>Shape - Identify common 2D shapes including circle, rectangle, square and triangle. - Recognise common 2D shapes. - Identify common 3D shapes including cubes. - Recognise common 3D shapes.</p> <p>Measures – Weight - Describe and make comparisons in words between measures of items weight.</p>	<p>Practical Measures - Use everyday positional vocabulary to describe the position and direction including: left, right, in front, behind, under and above.</p> <p>Measures – Capacity - Describe and make comparisons in words between measures of items capacity.</p>	<p>Data Handling - Read numerical information from lists. - Sort and classify objects using a single criterion. - Read and draw simple charts and diagrams including a tally chart, block diagram/graph.</p>	<p>By the end of the course, students should:</p> <ul style="list-style-type: none"> • Become confident in their use of fundamental mathematical knowledge and skill • Demonstrate their understanding by applying knowledge to solve mathematical problems • Appreciate the role played by mathematics in the world of work and in life generally.
<p>FS Entry Level 2: sflanagan@glebe.bromley.sch.uk, sleverly@glebe.bromley.sch.uk</p>	<p>Number - Count reliably up to 100 items. - Read, write, order and compare numbers up to 200. - Read, write and use decimals to one decimal place. - Recognise and sequence odd and even numbers to 100.</p> <p>Calculation Fluency - Recognise and interpret the symbols +, -, ×, ÷ and = appropriately.</p>	<p>Number - Approximate by rounding to the nearest 10, and use this rounded answer to check results.</p> <p>Fractions Recognise simple fractions (halves, quarters and tenths) of numbers/shapes.</p> <p>Four operations - Add and subtract two-digit numbers. - Multiply whole numbers in the range of 0x0 to 12x12 (times table). - Divide two-digit whole numbers by single-digit whole numbers and express remainders.</p>	<p>Measure – Time - Know the number of hours in a day and weeks in a year; be able to name and sequence. - Read and record time in common date formats, and read time displayed on analogue clocks in hours, half hours and quarter hours, and understand hours from a 24-hour digital clock.</p> <p>Measure – Money - Calculate money with pence up to one pound and in whole pounds of multiple items and write with the correct symbols (£ or p)</p>	<p>Shape - Recognise and name 2-D and 3-D shapes, including pentagons, hexagons, cylinders, cuboids, pyramids and spheres. - Describe the properties of common 2D and 3D shapes, including number of sides, corners, edges, faces, angles and base.</p> <p>Space - Use appropriate positional vocabulary to describe position and direction, including between, inside, outside, middle, below, on top, forwards and backwards.</p>	<p>Practical Measures - Use metric measures of length, including millimetres, centimetres, metres and kilometres. - Use measures of weight, including grams and kilograms. - Use measures of capacity, including millilitres and litres. - Read and compare positive temperatures. - Read and use simple scales to the nearest labelled division.</p>	<p>Data Handling - Extract information from lists, tables, diagrams and bar charts - Make numerical comparisons from bar charts - Sort and classify objects using two criteria - Take information from one format and represent the information in another format, including use of bar charts.</p>	<p>By the end of the course, students should:</p> <ul style="list-style-type: none"> • Become confident in their use of fundamental mathematical knowledge and skill • Demonstrate their understanding by applying knowledge to solve mathematical problems • Appreciate the role played by mathematics in the world of work and in life generally

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<p style="writing-mode: vertical-rl; transform: rotate(180deg);">FS Entry Level 3: gmonk@glebe.bromley.sch.uk</p>	<p>Number</p> <ul style="list-style-type: none"> - Count, read, write, order and compare numbers up to 1000 - Approximate by rounding numbers less than 1000 to the nearest 10 or 100 and use this rounded answer to check results - Recognise and continue linear sequences of numbers up to 100 <p>Calculation Fluency</p> <ul style="list-style-type: none"> - Add and subtract using three-digit whole numbers - Multiply two-digit whole numbers by single- and double-digit whole numbers - Divide three-digit whole numbers by single- and double-digit whole numbers and express remainders 	<p>Fractions</p> <ul style="list-style-type: none"> - Read, write and understand thirds, quarters, fifths and tenths, including equivalent forms <p>Decimals</p> <ul style="list-style-type: none"> - Read, write and use decimals up to two decimal places - Recognise and continue sequences that involve] decimals 	<p>Measures – Time</p> <ul style="list-style-type: none"> -Read, measure and record time using am and pm -Read time from analogue and 24-hour digital clocks in hours and minutes <p>Measures - Money</p> <ul style="list-style-type: none"> -Calculate with money using decimal notation and express money correctly in writing in pounds and pence -Round amounts of money to the nearest £1 or 10p 	<p>Practical Measures</p> <ul style="list-style-type: none"> -Use and compare measures of length, capacity, weight and temperature using metric or imperial units to the nearest labelled or unlabelled division -Compare metric measures of length, including millimetres, centimetres, metres and kilometres -Compare measures of weight, including grams and kilograms -Compare measures of capacity, including millilitres and litres -Use a suitable instrument to measure mass and length 	<p>Shape</p> <ul style="list-style-type: none"> -Sort 2-D and 3-D shapes using properties, including lines of symmetry, length, right angles, angles, including in rectangles and triangles <p>Space</p> <ul style="list-style-type: none"> -Using appropriate positional vocabulary to describe position and direction, including eight compass points and full/half/quarter turns 	<p>Data Handling</p> <ul style="list-style-type: none"> -Extract information from lists, tables, diagrams and charts and create frequency tables -Interpret information to make comparisons and record changes, from different formats, including bar charts and simple line graphs -Organise and represent information in appropriate ways, including tables, diagrams, simple line graphs and bar charts 	<p>By the end of the course, students should:</p> <ul style="list-style-type: none"> • Become confident in their use of fundamental mathematical knowledge and skill • Demonstrate their understanding by applying knowledge to solve mathematical problems • Appreciate the role played by mathematics in the world of work and in life generally
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<p>FS Level 1: scleverly@glebe.bromley.sch.uk</p>	<p>Number -Read, write, order and compare large numbers (up to one million) -Recognise and use positive and negative numbers -Read, write, order and compare decimals up to three decimal places</p> <p>Calculation Fluency -Multiply and divide whole numbers and decimals by 10, 100, 1000 -Use multiplication facts and make connections with division facts -Calculate the squares of one-digit and two-digit numbers -Follow the order of precedence of operators -Add, subtract, multiply and divide decimals up to two decimal places</p>	<p>Number -Approximate by rounding to a whole number or to one or two decimal places</p> <p>Fractions -Read, write, order and compare common fractions and mixed numbers -Find fractions of whole number quantities or Measurements</p> <p>Percentages -Read, write, order and compare percentages in whole numbers -Recognise and calculate equivalences between common fractions, percentages and decimals</p>	<p>Functional Application -Calculate percentages of quantities, including simple percentage increases and decreases by 5% and multiples thereof -Calculate simple interest in multiples of 5% on amounts of money -Calculate discounts in multiples of 5% on amounts of money -Use simple formulae expressed in words for one or two-step operations</p>	<p>Measures -Convert between units of length, weight, capacity, money and time, in the same system</p> <p>Shape -Draw 2-D shapes and demonstrate an understanding of line symmetry and knowledge of the relative size of angles -Calculate the area and perimeter of simple shapes including those that are made up of a combination of rectangles -Calculate the volumes of cubes and cuboids</p> <p>Space -Use angles when describing position and direction, and measure angles in degrees</p>	<p>Estimation -Estimate answers to calculations using fractions and decimals</p> <p>Space -Work with simple ratio and direct proportions -Recognise and make use of simple scales on maps and drawings -Interpret plans, elevations and nets of simple 3-D shapes</p>	<p>Data Handling -Represent discrete data in tables, diagrams and charts including pie charts, bar charts and line graphs -Group discrete data and represent grouped data graphically -Find the mean and range of a set of quantities -Understand probability on a scale from 0 (impossible) to 1 (certain) and use probabilities to compare the likelihood of events</p>	<p>By the end of the course, students should:</p> <ul style="list-style-type: none"> • Become confident in their use of fundamental mathematical knowledge and skill • Demonstrate their understanding by applying knowledge to solve mathematical problems • Appreciate the role played by mathematics in the world of work and in life generally
	Assessment						
<p>September - baseline assessment of functional maths using BKS software / teacher assessment / practice papers</p> <p>November – mock exams in line with the main school</p>			<p>January – first round of exams for those who have been working on their current curriculum for more than a year</p> <p>March – half-yearly assessment of functional maths</p>			<p>June/July – exams for all levels</p>	