



THE  
GILES NURSERY  
AND  
INFANTS' SCHOOL



**Mathematics curriculum map, September 2023-24**

	<u>Nursery</u>	<u>Reception</u>	<u>Year 1</u>	<u>Year 2</u>
Autumn	<p><b><u>Nursery Rhymes</u></b></p> <p>Children in shape groups – names and properties recapped each week.</p> <p>Counting '1, 2, 3, Little Ladybirds' '5 Currant buns' Counting spots on ladybirds 0 – 10 (jumps, claps, physical objects)</p> <p>Role play – pet shop with a till and fake money.</p> <p>Bricks used to count and problem solve.</p> <p>Counting and ordering numbers to 10.</p>	<p><b><u>Three Little Pigs</u></b></p> <p>Number 3 – making amounts, shapes with 3 sides, shape with 3 shapes.</p> <p>Role play – till, money, weighing</p> <p>Construction – building, directional language</p> <p>Shape wolves ("D")</p> <p>Daily counting – on and back, doubling, number recognition.</p> <p>Capacity – mixing sand, foam, amounts needed, non-standard.</p>	<p>Geometry – Positional language including ordinal numbers</p> <p>Number to <b>ten</b> – finding patterns in numbers</p> <p>Number to <b>ten</b> – counting and comparison (more, less, fewer)</p> <p>Number to <b>ten</b> – estimating and ordering</p> <p>Numbers to <b>ten</b> – regrouping the whole</p> <p>Number to <b>ten</b> – part whole addition and subtraction</p>	<p>Securing fluency to twenty</p> <p><b>Place value</b> – making tens and some more</p> <p>Place value and regrouping two-digit numbers</p> <p>Counting on and back in ones and tens from any number</p> <p>Representing, ordering and comparing numbers to 100 and quantities for measures</p> <p>Estimation and magnitude</p> <p><b>Numbers to 20</b> – mental addition and subtraction</p>

	<p>Parachute – directional language.</p> <p>Spiders – 0 – 8</p> <p>Greengrocers with scales heavy, light</p> <p>Counting and ordering rockets/number tiles.</p> <p>Birthdays/Christmas          Birthday - age, months, days, counting down today, ordering numbers.</p> <p>Size using bears</p> <p>Presents numbered, size, shape.</p> <p>Bee Bots – direction</p> <p>Measuring ingredients for reindeer food (non-standard measures)</p> <p>Matching numerals and quantities</p> <p>Counting songs with fingers</p>	<p>3D shapes – presents, shape, size, weight, properties</p> <p>Counting amounts</p> <p>1:10 correspondence, more/less, repeating patterns.</p> <p>Making houses – positional language</p> <p>Patterns with shapes and natural resources e.g. fir cones, leaf</p>	<p>Number <b>stoten</b> – solving problems using part or whole unknown</p> <p>Number <b>stoten</b> – comparison</p> <p>Number <b>stoten</b> – equality and balance</p> <p>Numbers to <b>twenty</b> – making 10 and some more</p> <p>Numbers to <b>twenty</b> – estimating and ordering, 1 more and 1 less</p> <p>Number to <b>twenty</b> – doubling and halving</p> <p>Number <b>stotwenty</b> – odd and even numbers</p> <p>Geometry – names and properties of 2-D and 3-D shape</p>	<p>Finding complements of 10 and 100 including measures</p> <p><b>Add and subtract numbers</b> mentally using 1- and 2-digit numbers</p> <p>Finding part or whole unknown</p> <p><b>Money</b> – making combinations and finding change</p> <p>Comparison (difference, more, less, fewer)</p> <p><b>Measures</b> – estimation and measure using different scales</p> <p>Consolidation of skills with Christmas theme.</p>
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<p>Spring</p>	<p><b><u>Jungle Animals / Growing</u></b></p> <p>Barchart to show our favorite animals</p> <p>Sorting and counting animals</p> <p>Sorting positional language 1:1</p> <p>correspondence counting</p> <p>Chinese numbers</p> <p>Number books and action rhymes</p> <p>How many eggs in the basket?</p> <p>Numbered Easter eggs</p> <p>Large numbers outside for jumping activity</p> <p>½ more tigers</p> <p>Repeated patterns on spiral snakes</p> <p>Animal patterns</p>	<p><b><u>The Gingerbread Man</u></b></p> <p><b><u>Mathematics Number</u></b></p> <p>Ordering numbered gingerbread men.</p> <p>Counting gingerbread men into a biscuit tin.</p> <p>Comparing two sets of objects (more/fewer).</p> <p>Estimating the number of gingerbread men in a tin.</p> <p>1 more/less (simple addition/subtraction)</p> <p>Ways to make 4</p> <p>Halves and quarters of a gingerbread man</p> <p>Doubling of gingerbread men</p> <p>Counting the number of gingerbread men from a given number</p>	<p><b>Measures</b> – The language of comparing length, height, mass and speed sequencing events – days of the week and months of the year</p> <p>Numbers to <b>twenty</b> – adding using ‘think 10’</p> <p>Numbers to <b>twenty</b> – subtraction using ‘think 10’</p> <p>Numbers to <b>twenty</b> – equality and balance numbers to twenty part or whole unknown</p> <p>Numbers to <b>twenty</b> – language and problem solving (part or whole unknown)</p> <p>Numbers to <b>twenty</b> – comparison (difference, more, less, fewer) including statistics</p> <p><b>Measures</b> – coins and combinations to 20p, ordering and comparing</p> <p>Counting in 2s, 5s, 10s</p>	<p><b>Statistics</b> – totaling and comparing amounts in block graphs, pictograms, tables and tally charts</p> <p>Written <b>addition</b> method commutativity in addition but not subtraction</p> <p>Written <b>subtraction</b> method</p> <p>Problem solving with addition and subtraction in a range of contexts</p> <p><b>Time</b> – telling the time: o’clock, half past, quarter past and quarter to</p> <p><b>Time</b> – estimating, ordering and comparing time</p> <p>Double and halve one and two-digit numbers and amounts of money</p> <p><b>Times tables</b> – 2s, 5s and 10s. Patterns and strategy (counting in 3s)</p> <p><b>Multiplication</b> – multiples and repeated addition</p>
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	<p>Which is the tallest and shortest flower?</p> <p>Introduce the oval shape</p> <p>2D shapes for flower pictures</p> <p>Ordering pictures by age</p> <p>Matching numerals and quantities</p> <p>Counting songs with fingers</p>	<p>Easter mathematics activities</p> <p><b><u>Shape, Space and Measure</u></b></p> <p>Problem solving activities involving shape</p> <p>Measuring height of gingerbread men using non-standard units of measurement</p> <p>Repeating patterns</p> <p>Weighing</p>	<p><b>Measures</b> – non-standard measures and introducing simple standard measures</p>	<p><b>Multiplication</b> – number of groups, group size and product</p> <p><b>Multiplication</b> - problem solving</p> <p><b>Division</b> – sharing and grouping</p> <p><b>Division</b> – sharing and grouping problems including remainders</p>
Summer	<p><b><u>Mathematics Numbers</u></b></p> <p>Fishing for numbers</p> <p>Pirates' gold coins</p> <p>More or fewer ducks</p> <p>Shape, space and measure</p> <p>Weighing seaside objects</p> <p>Ordering by size</p> <p>Repeating patterns</p>	<p><b><u>The Little Red Hen</u></b></p> <p>Mathematics to include activities for Maths Week and Money Week number</p> <p>Making 5/10</p> <p>Doubling and sharing</p> <p>Grouping in 2s, 5s and 10s.</p> <p><b><u>Shape, Space and Measure</u></b></p> <p>Weighing – how much does 1 egg weigh?</p>	<p><b>Multiplication and Division</b> – equal or unequal groups and remainders</p> <p><b>Multiplication</b> – repeated addition and arrays (number of groups and size of group)</p> <p><b>Multiplication</b> – problem solving (identifying the number of groups and size of the group)</p> <p><b>Multiplication</b> – scaling and counting in 2s to 24</p>	<p><b>Fractions</b> – finding halves, quarters and thirds of amounts</p> <p><b>Fractions</b> – finding halves, quarters and thirds of shapes</p> <p><b>Fractions</b> – finding three quarters of shapes and amounts</p> <p><b>Fractions</b> – equivalence</p> <p><b>Fractions</b> – of continuous quantities</p>

	<p><b><u>Maths Week</u></b></p> <p>Numbers and shapes</p> <p>Matching numerals and quantities</p> <p>Counting songs with fingers</p>	<p>2D and 3D shaped windmills</p> <p>2D and 3D shape investigation</p> <p>Measuring by length Capacity</p> <p>Money</p> <p>Time – how long does it take to boil an egg?</p> <p>O'clock times</p> <p>Sequencing the day</p>	<p><b>Division</b> – sharing and grouping problems</p> <p><b>Time</b> – telling the time, o'clock and half past</p> <p><b>Fractions</b> – sharing into equal groups</p> <p><b>Fractions</b> – equal or unequal parts of shapes</p> <p><b>Fractions</b> – of continuous quantities including capacity</p> <p>Numbers to <b>twenty</b> – review</p> <p>Numbers to <b>one hundred</b> – place value and digits, making tens and some more</p> <p>Place value – estimation, ordering and comparison</p>	<p><b>Time</b> – telling the time to the nearest 5 minutes</p> <p>Problem solving for all operations (including fractions)</p> <p><b>Multiplication and division</b> – equality and balance</p> <p><b>Geometry</b> - properties of 2D and 3D shape, classifying and sorting geometry - symmetry</p> <p><b>Geometry</b> – sequencing geometry, rotation and right angles</p> <p>Great Fire of London mathematics – problem solving theme</p>
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