



LONG DITTON
 INFANT AND NURSERY SCHOOL
 THE HEART OF LONG DITTON SINCE 1911



Maths Long Term Planning Overview

	AUTUMN	SPRING	SUMMER
NURSERY	<p><u>NUMBER AND PLACE VALUE</u> Selects a small number of objects from a group Recite some number names in a sequence Creates and experiments with symbols and marks representing ideas of number Begins to make comparisons between quantities Uses some language of quantities, such as 'more' and 'a lot' Knows that a group of things changes in quantity when something is added or taken away</p>	<p><u>NUMBER AND PLACE VALUE</u> Uses some number names and number language Recites numbers in order to 10 Knows that numbers identify how many objects are in a set Beginning to represent numbers using fingers, marks on paper or pictures Shows curiosity about numbers by offering comments or asking questions Compares two groups of objects, saying when they have the same number Separates a group of three or four objects in different ways Beginning to recognise that the total is still the same</p>	<p><u>NUMBER AND PLACE VALUE</u> Recognise some numbers of personal significance Recognise numerals 1-5 Count up to 3 or 4 objects Count action or objects which cannot be moved Count objects to 10 and begin over 10 Count out up to 6 objects from a larger group Select the numerals to represent 1-5, then 1-10 objects Use the language 'more' or 'fewer' to compare 2 sets of objects Say the number that is one more than a given number</p>

	<p><u>SHAPE</u> Notices simple shapes and patterns in pictures</p> <p><u>ORDERING</u> Beginning to categorise objects according to properties such as shape or size</p> <p><u>TIME</u> Begins to use the language of size Understands some talk about immediate past and future, e.g. 'before', 'later' or 'soon' Anticipates specific time-based events such as mealtimes</p>	<p>Realises not only objects, but anything can be counted, including steps, claps or jumps</p> <p><u>SHAPE</u> Shows an interest in shape and space by playing with shapes or making arrangements with objects Shows awareness of similarities of shapes in the environment Uses positional language Beginning to talk about the shapes of everyday objects, e.g. 'round' and 'tall'</p>	<p><u>SHAPE</u> Select a named shape Begin to name 2D shapes Use familiar objects and common shapes to create patterns/models</p> <p><u>MEASUREMENT</u> Order 2/3 items by length and height Order 2 items by weight and capacity</p>
<p>RECEPTION</p>	<p><u>NUMBER AND PLACE VALUE</u> Recognise some numbers of personal significance Recognise numerals 1-5 Count up to 3 or 4 objects Count action or objects which cannot be moved Count objects to 10 and begin over 10 Count out up to 6 objects from a larger group</p>	<p><u>NUMBER AND PLACE VALUE</u> Count an irregular arrangement of up to 10 objects Estimate how many objects they can see and check by counting them Find the total number of items in two groups by counting all of them Find one more or one less from a group of 5 objects, then 10 objects</p>	<p><u>NUMBER AND PLACE VALUE</u> Place 1-20 in order Say which number is one more or one less than a given number Use quantities/ objects to add two single digit numbers and count on or back to find answer To solve problems doubling To solve problems halving</p>

	<p>Select the numerals to represent 1-5, then 1-10 objects Use the language 'more' or 'fewer' to compare 2 sets of objects Say the number that is one more than a given number</p> <p><u>SHAPE</u> Select a named shape Begin to name 2D shapes Use familiar objects and common shapes to create patterns/models</p> <p><u>MEASUREMENT</u> Order 2/3 items by length and height Order 2 items by weight and capacity</p>	<p>In practical activities and discussion, begin to use the vocabulary involved in adding and subtracting Place 1-20 in order Say which number is one more/one less Using quantities and objects add two single digit numbers and count on or back to find the answer Say a number that is one more than a given number</p> <p><u>SHAPE</u> Begin to use names and terms for 3D shapes Explore characteristics of everyday objects/shapes and use mathematical language to describe them</p> <p><u>MEASUREMENT</u> Measure short periods of time in simple ways To use everyday language to talk about size/distance</p> <p><u>TIME</u> Order and sequence familiar events</p> <p><u>POSITION</u></p>	<p>Using quantities/objects subtract two single digit numbers and count on or back to find answer</p> <p><u>SHAPE</u> Recognise, create and describe patterns Explore characteristics of everyday objects/shapes and use mathematical language to describe them</p> <p><u>MEASUREMENT</u> To use everyday language to talk about weight and capacity</p> <p><u>TIME</u> To use everyday language to talk about time</p> <p><u>MONEY</u> Use everyday language related to money</p> <p><u>PROBLEM SOLVING</u> To compare quantities and objects to solve problems</p>
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YEAR 1	<p><u>NUMBER AND PLACE VALUE</u> Counting in 2s Number order Matching objects to numbers Use of numberlines Read and write numbers 1- 20 Addition Subtraction Number bonds to 10</p> <p><u>FRACTIONS</u> Recognise, name and find half of a shape</p> <p><u>MEASUREMENTS</u> Measuring - Weight/Length/height Longer/shorter Standard/non standard units Capacity and volume of liquids (and related vocab)</p> <p><u>TIME</u> Days of the week Months of the year Sequencing/ordering events</p> <p><u>MONEY</u> To recognise and know the value of different coins</p>	<p><u>NUMBER AND PLACE VALUE</u> Counting in 2s, 5s and 10s Number order Comparing different amounts of numbers, what is the most/least? Use of 100 squares Match numbers 1-20 in numerals and words Addition Subtraction Finding the difference between 2 numbers Number bonds to 20 Multiplication (arrays) Divison (sharing plates) Finding the difference between 2 numbers</p> <p><u>FRACTIONS</u> Recognise, name and find half of a shape or object</p> <p><u>MEASUREMENTS</u> Measure and begin to record length, height, mass and weight, capacity and volume</p> <p><u>TIME</u></p>	<p><u>NUMBER AND PLACE VALUE</u> Counting in 2s, 5s and 10s Number order Comparing different amounts of numbers, what is the most/least and equal to? Use of numberlines and hundred squares Read and write numbers 1-20 in numerals and words Addition Subtraction Finding the difference between 2 numbers Number bonds and related subtraction facts to 20 Missing number problems Multiplication (arrays) Division (sharing plates) Choosing the correct operation Number families One step problems</p> <p><u>FRACTIONS</u> Recognise, name and find half and quarter of a shape, object or quantity</p>

	<p><u>PROPERTIES OF SHAPE</u> Recognise and name common 2D and 3D shapes</p> <p><u>POSITION AND DIRECTION</u> Describe position, direction and movement including whole, half, quarter and three quarter turns</p> <p><u>PROBLEM SOLVING</u> 'Let's Think' Maths</p> <p>Estimating Creating, describing and extending patterns</p>	<p>Tell the time to the hour and half past and draw hands on clock to show</p> <p><u>MONEY</u> To recognise and know the value of different coins</p> <p><u>PROPERTIES OF SHAPE</u> Recognise and name common 2D and 3D shapes</p> <p><u>POSITION AND DIRECTION</u> Describe position, direction and movement including whole, half, quarter and three quarter turns</p> <p><u>PROBLEM SOLVING</u> 'Let's Think' Maths</p> <p>Estimating Creating, describing and extending patterns</p>	<p><u>MEASUREMENTS</u> Measure and begin to record length, height, mass and weight, capacity and volume</p> <p><u>TIME</u> Tell the time to the hour and half past (quarter to and quarter past) and draw hands on clock to show, what is an hour later?</p> <p><u>MONEY</u> To recognise and know the value of different coins and notes, and begin to work out calculations</p> <p><u>PROPERTIES OF SHAPE</u> Recognise and name common 2D and 3D shapes Right angles</p> <p><u>POSITION AND DIRECTION</u> Describe position, direction and movement including whole, half, quarter and three quarter turns</p> <p><u>PROBLEM SOLVING</u> 'Let's Think' Maths Word problems</p> <p>Estimating Creating, describing and extending patterns</p>
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<p style="text-align: center;">YEAR 2</p>	<p><u>NUMBER AND PLACE VALUE</u> Counting in 2s, 5s and 10s Number order and place value Matching objects to numbers Use of numberlines and 100 squares Read and write numbers 1- 50 Addition and subtraction to 20 Number bonds to 20 <u>FRACTIONS</u> Recognise, name and find half, quarter, third and three quarters of a shape <u>MEASUREMENTS</u> Measuring - Weight/Length/height Longer/shorter, temperature and capacity, compare using greater than, less than and equals signs Choose and use appropriate standard/non standard units <u>TIME</u> Days of the week Months of the year Compare and sequence intervals</p>	<p><u>NUMBER AND PLACE VALUE</u> Counting in 2s, 3s 5s (from 0) and 10s from any number forwards and backwards Number order and place value to include tens and units Comparing different amounts of numbers, what is the most/least? (using greater than, less than and equals signs) Use of 100 squares, 200 squares, numberlines and introduce blank numberlines Read and write numbers to 100 Addition and subtraction facts up to 100 and the inverse Finding the difference between 2 numbers Number bonds to 20 Multiplication (arrays) with a number sentence using the multiplication sign, repeated addition Division (sharing plates) with a number sentence using the division sign Finding the difference between 2</p>	<p><u>NUMBER AND PLACE VALUE</u> Counting in 2s, 3s 5s (from 0) and 10s from any number forwards and backwards Number order and place value to include, hundreds, tens and units Comparing different amounts of numbers, what is the most/least and equal to? (using greater than, less than and equals signs) Use of 100 squares, 200 squares, numberlines and blank numberlines Read and write numbers to 100 Addition and subtraction facts up to 100 and the inverse, including number families Finding the difference between 2 numbers Number bonds and related subtraction facts to 20 Missing number problems Multiplication (arrays) with a number sentence using the multiplication sign, repeated</p>

	<p>of time, Tell the time to the hour and half past (quarter to and quarter past) and draw hands on clock to show, what is an hour later?</p> <p><u>MONEY</u> To recognise and know the value of different coins and notes, and begin to work out calculations</p> <p><u>PROPERTIES OF SHAPE</u> Recognise, name and describe common 2D and 3D shapes including lines of symmetry Right angles</p> <p><u>POSITION AND DIRECTION</u> Describe position, direction and movement including whole, half, quarter and three quarter turns</p> <p><u>PROBLEM SOLVING</u> 'Let's Think' Maths</p> <p>Estimating Creating, describing and extending patterns</p>	<p>numbers</p> <p><u>FRACTIONS</u> Recognise, name and find half, quarter, third and three quarters of a shape, length and set of objects or quantity</p> <p><u>MEASUREMENTS</u> Measuring - Weight/Length/height Longer/shorter, temperature and capacity, compare using greater than, less than and equals signs Choose and use appropriate standard/non standard units</p> <p><u>TIME</u> Tell the time to the hour and half past (quarter to and quarter past, and five minute intervals) and draw hands on clock to show, what is an hour later?</p> <p><u>MONEY</u> To recognise and know the value of different coins and notes, and begin to work out calculations. Solve simple problems including giving change</p> <p><u>PROPERTIES OF SHAPE</u> Recognise, name and describe both common and irregular 2D and 3D shapes including lines of symmetry Right angles</p>	<p>addition, blank numberlines Division (sharing plates) with a number sentence using the division sign, blank numberlines Choosing the correct operation Number families One step problems</p> <p><u>FRACTIONS</u> Recognise, name and find half, quarter, third and three quarters of a shape, length and set of objects or quantity Recognise equivalent fractions</p> <p><u>MEASUREMENTS</u> Measuring - Weight/Length/height Longer/shorter, temperature and capacity, compare using greater than, less than and equals signs Choose and use appropriate standard/non standard units</p> <p><u>TIME</u> Tell the time to the hour and half past (quarter to and quarter past, and five minute intervals) and draw hands on clock to show, what is an hour later? Telling time on a digital clock</p> <p><u>MONEY</u> To recognise and know the value of different coins and notes, and</p>
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