

Maths Long Term Plan

EYFS	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	<p>Counting Familiar number rhymes</p> <p>Subitising Introduction to what do they notice/ fast eyes</p>	<p>Subitising Noticing in different spot patterns</p> <p>Comparison of Amounts Increasing, decreasing, asking for more, gone, all-gone</p> <p>Comparison grouping and sorting Grouping objects</p>	<p>1,2,3 in rhymes</p> <p>Subitising Variety of contexts and introduction to copying subitising</p> <p>1:1 correspondence One to one matching</p> <p>Recognising numeral 1 and 2</p> <p>Comparative language of size (big, bigger, biggest)</p> <p>Pattern sequencing Noticing patterns, sequencing events and height order</p> <p>Shape Play 2D</p>	<p>Touch counting to 3</p> <p>Recognise numeral 3</p> <p>Sorting (size, shape, colour)</p> <p>Comparison of Amounts More, less/ fewer, all gone</p>	<p>Subitising Perceptually and start conceptually recognising subgroups within a larger amount</p> <p>Number- recognising 4 and 5 Counting forwards and backwards</p> <p>Cardinality and Counting Knowing last number represents how many in a set, get a given amount Begin to match numerals to sets</p>	<p>Shape Play (2D and 3D)</p> <p>Measure height Taller/ shorter</p> <p>Measure Length Longer/ Shorter</p> <p>Consolidation</p>
Reception	<p>Match, sort, compare Match, sort and compare objects and amounts</p> <p>Patterns Continue, make, correct AB patterns</p> <p>1, 2, 3 Recognise, compose and represent 1, 2, 3</p> <p>1, 2, 3, 4, 5 Recognise, compose, subitise and represent 1, 2, 3, 4, 5</p>	<p>Number 0 to 5 Understand and recognise 0 Represent 0-5</p> <p>6, 7, 8 Recognise, represent and compose 6, 7, 8</p> <p>Doubles to 8 Understand doubling, double numbers</p> <p>More Complex Pattern ABB, ABBC patterns</p>	<p>9 and 10 Recognise and represent 9, 10</p> <p>9 and 10 Conceptual subitising to 10 Make arrangements of 10 Number bonds to 10 in 2 or 3 parts</p> <p>Doubles to 10 Double all numbers to 10</p> <p>One more, one less</p>	<p>Measures- length, height and time Compare length and height Order and sequence time</p> <p>Subtraction Practically subtract and discuss, use stem sentences</p> <p>Subtraction Subtract 0 Subtract whole amount Count back on number line to subtract</p>	<p>Mass and capacity Compare mass and capacity practically and verbally, find equal mass and capacity</p> <p>Inverse operations Understand that numbers can be made in a variety of ways- 5 is 2 and 3, are 3 and 2 still 5?</p> <p>A number can be partitioned into more than two numbers to 5, then 10</p>	<p>Sharing and grouping Practically share and group items and amounts, discuss findings</p> <p>Build numbers beyond 10 Recognise, count, represent numbers above 10</p> <p>Build numbers beyond 10 Recognise, count, represent numbers above 10</p> <p>Manipulate, compose and decompose shape</p>

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	<p>Circles, triangles, squares, rectangles Recognise, name, describe basic shapes</p> <p>Wider Curriculum Opps My day and night</p> <p>Developing spatial vocabulary Representing spatial relationships</p> <p>Shape awareness: developing shape awareness through construction</p>	<p>Make patterns around a border or shape</p> <p>Comparing quantities Compare and describe two quantities or numbers</p>	<p>Understand and find one more or less than a number to 10</p> <p>Odd and even Understand and find odd and even numbers</p>	<p>Addition Practically add and discuss, use stem sentences</p> <p>Addition Add using objects and number line, add using number bonds</p>	<p>Partition a number into more than two parts and explain</p> <p>Comparing quantities to 10 Compare and describe two quantities Recognise when quantities are equal or unequal</p>	<p>Talk about and describe shape Compose and decompose shapes</p> <p>3D shape Recognise and name 3D shapes Name 2D shapes within 3D shapes</p>
Year 1	<p>Place value Accurately count objects. Count objects from a larger group</p> <p>Place value given a number, identify 1 more and 1 less</p> <p>Place value Compare two numbers and describe with language - greater than, less than, equal to.</p> <p>Add and subtract to 10 Understand and use the part-whole model. Complete a part-whole model for given amounts</p> <p>Add and subtract to 10 Understand and use the part-whole model.</p>	<p>Add and subtract to 10 Write an addition fact family linked to a part-whole diagram</p> <p>Add and subtract to 10 Subtraction- recognise, understand, write and solve subtraction number sentences</p> <p>Add and subtract to 10 represent and use number bonds and related subtraction facts within 10 Find a fact family of four additions and four subtractions</p> <p>Add and subtract to 10 Find a missing part in a part-whole diagram, find a missing number in an equation</p> <p>Add and subtract to 10</p>	<p>Shape Name 2D and 3D shapes and properties Sort shapes</p> <p>Length and Height compare, describe and solve practical problems for: lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]</p> <p>Mass and Volume compare, describe and solve practical problems for: mass/weight [for example, heavy/light, heavier than, lighter than], capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]</p>	<p>Addition and subtraction to 20 Find different ways to make teen numbers</p> <p>Addition and subtraction- to 20 Know the doubles that make teen numbers</p> <p>Addition and subtraction- to 20 Fact families for teen numbers</p> <p>Addition and subtraction- to 20 Find the difference and missing number problems to 20.</p>	<p>Time sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening], recognise and use language relating to dates, including days of the week, weeks, months and years</p> <p>Time tell the time to the hour and half past the hour and draw the hands on a clock face to show these times</p> <p>Place value within 50 count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number</p>	<p>Money compare, describe and solve practical problems: recognise and know the value of different denominations of coins and notes</p> <p>Fractions Recognise and find half of an object, shape and quantity</p> <p>Fractions Recognise and find a quarter of an object, shape and quantity</p> <p>Position and Direction describe position, direction and movement, including whole, half, quarter and three-quarter turns</p>

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	<p>Write equations using + and =</p> <p>Add and subtract to 10 Write an addition fact family linked to a part-whole diagram</p>	<p>add and subtract one or two from/to an amount</p> <p>Add and subtract to 10 Add two one digit numbers Subtract one digit number from one digit number read and write numbers from 1 to 10 in words</p>	<p>Place Value - Number to 20 Recognise, read, write, make teen numbers</p> <p>Place value- Number to 20 Recognise, read and write number to 20 Partition a teen number into ten and ones</p>		<p>Place value within 50 Begin to understand the concept of larger numbers as tens and ones</p> <p>Multiplication and division count in multiples of 2s, 5s and 10s Add using repeated addition</p> <p>Multiplication and division solve one-step problems involving multiplication, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher</p>	
Year 2	<p>Place value Accurately count objects. Count objects from a larger group</p> <p>Place value given a number, identify 1 more and 1 less</p> <p>Place value Compare two numbers and describe with language - greater than, less than, equal to.</p> <p>First next then stories</p> <p>Practical addition to 10</p>	<p>Add and subtract to 10 Understand and use the part-whole model. Complete a part-whole model for given amounts</p> <p>Add and subtract to 10 Understand and use the part-whole model. Write equations using + and =</p> <p>Add and subtract to 10 Write an addition fact family linked to a part-whole diagram</p> <p>Add and subtract to 10 - add together Know the number bonds within 10</p>	<p>Add and subtract to 10 Find a missing part in a part-whole diagram, find a missing number in an equation</p> <p>Add and subtract to 10 add and subtract one or two from/to an amount</p> <p>Add and subtract to 10 Add two one digit numbers Subtract one digit number from one digit number read and write numbers from 1 to 10 in words</p> <p>Place Value - Number to 20</p>	<p>Addition and subtraction to 20 Find different ways to make teen numbers</p> <p>Addition and subtraction- to 20 Know the doubles that make teen numbers</p> <p>Addition and subtraction- to 20</p> <p>Fact families for teen numbers</p> <p>Addition and subtraction- to 20</p>	<p>Shape Name 2D and 3D shapes and properties Sort shapes</p> <p>Length and Height compare, describe and solve practical problems for: lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]</p> <p>Mass and Volume compare, describe and solve practical problems for: mass/weight [for example, heavy/light, heavier than, lighter than], capacity and volume [for example,</p>	<p>Place Value recognise the place value of each digit in a two-digit number (10s, 1s) compare and order numbers from 0 up to 100; use <, > and = signs</p> <p>Partition numbers to 100 Numbers as words identify, represent and estimate numbers using different representations, including the number line read and write numbers to at least 100 in numerals and in words</p> <p>10s 10s and 1s</p>

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	Practical addition to 10 with fluency focus	<p>Add and subtract to 10 Subtraction- recognise, understand, write and solve subtraction number sentences</p> <p>Add and subtract to 10 represent and use number bonds and related subtraction facts within 10 Find a fact family of four additions and four subtractions</p>	<p>Recognise, read, write, make teen numbers</p> <p>Place value- Number to 20 Recognise, read and write number to 20 Partition a teen number into ten and ones</p>		<p>full/empty, more than, less than, half, half full, quarter]</p> <p>Multiplication and division count in multiples of 2s, 5s and 10s Add using repeated addition</p> <p>Multiplication and division solve one-step problems involving multiplication, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher</p>	<p>Estimation Comparison of amounts and numbers identify, represent and estimate numbers using different representations, including the number line</p> <p>Count in 2, 5, 10 Count in 3s count in steps of 2, 3, and 5 from 0, and in 10s from any number, forward and backward</p> <p>Addition Inverse Addition of tens and ones to make a two digit number Addition to make teen numbers Addition of two digit and ones</p> <p>Addition and subtraction show that addition of 2 numbers can be done in any order (commutative) and subtraction of 1 number from another cannot recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 add a two digit number and ones</p>
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