

**Language Provision Half-Termly Maths Learning Journey Overview**

**Autumn 2:2023**

**As Mathematicians we will be...**

Focusing on composition of number to 5 (EYFS curriculum), Addition and Subtraction within 10 and 20 (Year 1 Curriculum), within 50 and 100 (Year 2 Curriculum) and moving into the hundreds and thousands (Year 3 Curriculum). We will also be focusing on 2D Shapes (EYFS), Patterns (EYFS and Year 1 Curriculum), 2D and 3D Shapes (Year 1 and 2 Curriculum), as well as Symmetry (Year 2), Polygons and Right Angles (Year 3).

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7/ Week 8 (2 days)
Dates:		Mon 30.10.23	Mon 06.11.23	Mon 13.11.23	Mon 20.11.23	Mon 27.11.23	Mon 04.12.23	Mon 11.12.23 Mon 18.12.23
EYFS	<p><b>It's Me 123</b> Circles and Triangles Positional Language</p> <p><b>Light and Dark</b> Representing Numbers to 5 1 more/ 1 less Shapes with 4 Sides Time</p>	<ul style="list-style-type: none"> <li>★ Recognise numerals 1 – 5.</li> <li>★ Represent numbers 1 – 5.</li> </ul>	<ul style="list-style-type: none"> <li>★ Subitise numbers 1 – 5.</li> </ul>	<ul style="list-style-type: none"> <li>★ Find 1 more to 5.</li> <li>★ Find 1 less to 5.</li> </ul>	<ul style="list-style-type: none"> <li>★ Have composition of numbers 1 – 5.</li> <li>★ Know that 2 parts make a whole (to 5).</li> </ul>	<ul style="list-style-type: none"> <li>★ Identify and name circle, triangle square, rectangle.</li> <li>★ Compare shapes.</li> <li>★ Combine shapes with 4 sides.</li> <li>★ Recognise shapes in my environment.</li> </ul>	<ul style="list-style-type: none"> <li>★ Recognise and name 3D shapes.</li> <li>★ Find 2D shapes within 3D shapes.</li> <li>★ Use 3D shapes for tasks.</li> <li>★</li> </ul>	<ul style="list-style-type: none"> <li>★ Identify more complex patterns.</li> <li>★ Copy and complete patterns.</li> <li>★ Recognise and identify patterns in the environment.</li> </ul>
Year 1	<p><b>Within 10</b> Addition and Subtraction Multiplication and Division Shape</p>	<ul style="list-style-type: none"> <li>★ Understand parts and whole.</li> <li>★ Use the part-whole model.</li> <li>★ Write number sentences.</li> </ul>	<ul style="list-style-type: none"> <li>★ Know number bonds within 10.</li> <li>★ Know different ways to make numbers to 10 (systematic number bonds).</li> </ul>	<ul style="list-style-type: none"> <li>★ Know addition fact families within 10.</li> <li>★ Add 2 1 digit numbers to 10.</li> <li>★ Solve addition questions by</li> </ul>	<ul style="list-style-type: none"> <li>★ Find a part (using subtraction).</li> <li>★ Find how many are left by taking away/crossing out.</li> <li>★ Solve subtraction calculations using the number line.</li> </ul>	<ul style="list-style-type: none"> <li>★ Recognise and name 2D shapes.</li> <li>★ Sort 2D shapes.</li> </ul>	<ul style="list-style-type: none"> <li>★ Recognise and name 3D shapes.</li> <li>★ Sort 3D shapes.</li> </ul>	<ul style="list-style-type: none"> <li>★ Recognise a repeating pattern.</li> <li>★ Continue a repeating pattern.</li> <li>★ Make a repeating pattern using 2D and 3D shapes.</li> </ul>

			<ul style="list-style-type: none"> <li>★ Know number bonds to 10.</li> </ul>	<ul style="list-style-type: none"> <li>adding more.</li> <li>★ Solve addition problems.</li> <li>★ Find a part (in a part-whole model).</li> </ul>	<ul style="list-style-type: none"> <li>★ Add or subtract 1 or 2.</li> </ul>			
	<p><b>Within 20</b> Addition and Subtraction Multiplication and Division Shape</p>	<ul style="list-style-type: none"> <li>★ Add by counting on to 20.</li> <li>★ Add ones using number bonds.</li> <li>★ Find and make number bonds to 20.</li> </ul>		<ul style="list-style-type: none"> <li>★ Subtract ones using number bonds.</li> <li>★ Subtract by counting back.</li> <li>★ Find the difference between 2 numbers (subtraction).</li> </ul>	<ul style="list-style-type: none"> <li>★ Know doubles to 20.</li> <li>★ Know related facts for addition and subtraction.</li> <li>★ Solve missing number problems.</li> </ul>			
<b>Year 2</b>	Addition and Subtraction Multiplication and Division Shape	<ul style="list-style-type: none"> <li>★ Confidently add and subtract 1s, using a range of manipulatives as well as mentally.</li> <li>★ Use knowledge of number bonds to add by making 10</li> <li>★ Use knowledge of number bonds to</li> </ul>	<ul style="list-style-type: none"> <li>★ Add to the next 10, using related facts.</li> <li>★ Use knowledge of place value to add across 10.</li> <li>★ Subtract across 10, using manipulatives.</li> </ul>	<ul style="list-style-type: none"> <li>★ Recognise equal groups.</li> <li>★ Make equal groups.</li> <li>★ Add equal groups (repeated addition).</li> <li>★ Understand the multiplication symbol is linked to</li> </ul>	<ul style="list-style-type: none"> <li>★ Use knowledge of equal groups and repeated addition to complete multiplication sentences.</li> <li>★ Recognise what arrays are.</li> <li>★ Confidently make equal groups by grouping, in order to complete</li> </ul>	<ul style="list-style-type: none"> <li>★ Recognise 2D and 3D shapes.</li> <li>★ Count sides and vertices on 2D shapes.</li> <li>★ Sort 2D shapes.</li> </ul>	<ul style="list-style-type: none"> <li>★ Understand what symmetrical means.</li> <li>★ Identify shapes that are symmetrical.</li> <li>★ Use lines of symmetry to complete shapes.</li> </ul>	<ul style="list-style-type: none"> <li>★ Count faces, vertices and edges on 3D shapes.</li> <li>★ Sort 3D shapes.</li> <li>★ Make patterns with 2D and 3D shapes.</li> </ul>

		add three 1-digit numbers.		repeated addition.	division calculations. ★ Confidently make equal groups by sharing, in order to complete division calculations.			
<b>Year 3</b>	Addition and Subtraction Multiplication and Division Shape	<ul style="list-style-type: none"> <li>★ Confidently add 1s across a 10</li> <li>★ Confidently add 10s across a 100, using number lines.</li> <li>★ Subtracts 1s across a 10</li> <li>★ Subtract 10s across a 100, using number lines.</li> </ul>	<ul style="list-style-type: none"> <li>★ Exploring connections between calculation and use these connections to complete new calculations.</li> <li>★ Using a range of manipulatives, add two numbers with no exchange.</li> <li>★ Using a range of manipulatives, subtract two numbers with no exchange.</li> </ul>	<ul style="list-style-type: none"> <li>★ Recognise equal groups.</li> <li>★ Understand how to use arrays to complete repeated addition and multiplication sentences.</li> <li>★ Using knowledge of multiples of 2, identify missing numbers.</li> <li>★ Confidently state which numbers are odd or even.</li> </ul>	<ul style="list-style-type: none"> <li>★ Using knowledge of multiples of 5 and 10, identify missing numbers.</li> <li>★ Recognise the links between multiples of 5 and 10.</li> <li>★ Share and group items into equal groups, to complete division calculations.</li> </ul>	<ul style="list-style-type: none"> <li>★ To know that an angle describes the size of a turn.</li> <li>★ Understand that the greater angles represent the greater turn.</li> <li>★ Understand the terms quarter, half, three-quarter and full turns.</li> <li>★ Recognise the points of a compass.</li> <li>★ Recognise that a right angle is a quarter turn.</li> <li>★ To recognise and compare angles that are greater or less than and equal to a right angle.</li> </ul>	<ul style="list-style-type: none"> <li>★ Use a ruler to draw accurately.</li> <li>★ Use a ruler to measure accurately.</li> <li>★ Recognise if a line is vertical or horizontal.</li> <li>★ Know what a line of symmetry is.</li> <li>★ Identify horizontal and vertical lines of symmetry.</li> <li>★ Understand that parallel lines stay the same distant apart and never meet.</li> <li>★ Understand that perpendicular lines meet at a right angle.</li> </ul>	<ul style="list-style-type: none"> <li>★ Recognise a range of 2-D shapes.</li> <li>★ Describe 2-D shapes, based on their properties, including vertices.</li> <li>★ Draw and complete polygons, using knowledge of properties of shapes.</li> </ul>

<p><b>Year 4</b></p>	<p>Addition and Subtraction Multiplication and Division Shape</p>	<ul style="list-style-type: none"> <li>★ Add two 4-digit numbers with 1 exchange, using the formal written method.</li> <li>★ Add two 4-digit numbers with more than one exchange, using the formal written method.</li> <li>★ Subtract two 4-digit numbers (no exchange), using the formal written method.</li> </ul>	<ul style="list-style-type: none"> <li>★ Subtract two 4-digit numbers with 1 exchange, using the formal written method.</li> <li>★ Subtract two 4-digit numbers with more than one exchange, using the formal written method.</li> </ul>	<ul style="list-style-type: none"> <li>★ Using knowledge of multiples of 3, identify missing numbers.</li> <li>★ Use arrays and pictorial representations to complete multiplication by 6 calculations.</li> <li>★ Use arrays and pictorial representations to complete division by 6 calculations.</li> <li>★ Recognise the links between multiples of 3 and 6.</li> <li>★ Recognise 6 times table and division facts.</li> </ul>	<ul style="list-style-type: none"> <li>★ Confidently use the terms clockwise and anticlockwise.</li> <li>★ Confidently use the terms quarter, half, three-quarter and full turns.</li> <li>★ Confidently know the points of a compass.</li> <li>★ Understand angles as turns and be able to describe them.</li> <li>★ Identify right, acute and obtuse angles.</li> <li>★ Compare and order angles according to size.</li> </ul>	<ul style="list-style-type: none"> <li>★ Recognise triangles in different orientations.</li> <li>★ Recognise the properties of scalene, equilateral and isosceles triangles.</li> <li>★ Recognise quadrilaterals in non-standard orientations.</li> <li>★ Recognise the properties of quadrilaterals.</li> <li>★ Be able to name quadrilaterals.</li> <li>★ Sort quadrilaterals according to their properties.</li> </ul>	<ul style="list-style-type: none"> <li>★ Describe that a polygon is.</li> <li>★ Be able to name quadrilaterals.</li> <li>★ Be able to explain the difference between regular and irregular polygons.</li> <li>★ Know what a line of symmetry is.</li> <li>★ Identify lines of symmetry in a range of shapes.</li> <li>★ Complete symmetrical figures on a range of vertical and horizontal lines.</li> </ul>
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