

# Maths in EYFS

At Christ Church Academy Early Years, we believe it is important to provide children with foundational knowledge to ensure they have a strong start to Year 1.

## Nursery Maths

In Nursery we use our skills progression ladder to help inform planning and provision enhancements, alongside White Rose Maths to ensure children in Nursery have the foundational Maths knowledge needed to make a strong start to Reception.

In Nursery we learn maths through counting Nursery Rhymes in our purposeful music area, matching objects to shadows when tidying away and so much more.

From creating patterns in the maths area, exploring colours in the paint area, spotting shapes in the environment, and numbers in each area we sing dance and have fun along the way!

## Reception Maths

We teach NCETM Mastering Number to Reception, alongside shape, space and measure from White Rose Maths.

The Mastering Number Programme helps children develop a solid number sense, including fluency and flexibility with number facts which will have a lasting impact on learning for your child.

Each day, children in Reception will have a 15 minute session led by their teacher which is designed to ensure that children develop fluency with, and an understanding of, number that is crucial for future success in maths. The sequence of the programme gives every child a rich sense of number focusing on 1-3 at first, and progressing on to numbers 4-10.

Reception are split into focus groups based on their knowledge, so teaching is adapted to include more or less scaffolding based on each child's knowledge.

Both Nursery and Reception are assessed each half term by the teacher to celebrate strengths and identify any gaps in knowledge so these can be addressed.

Reception children who are assessed to have any gaps in knowledge then have 1-1 or small group interventions with the teacher to help strengthen foundational knowledge ensuring they are ready for Year 1.

<b><u>Nursery Maths</u></b>					
<b><u>Autumn 1</u></b>	<b><u>Autumn 2</u></b>	<b><u>Spring 1</u></b>	<b><u>Spring 2</u></b>	<b><u>Summer 1</u></b>	<b><u>Summer 2</u></b>
<b><u>Comparison 1</u></b> More than, fewer than, same	<b><u>Counting 2</u></b> Begin to order number names	<b><u>Subitising 2</u></b> Show me 1,2,3	<b><u>Counting 3</u></b> Take and give 1,2,3	<b><u>Pattern 4</u></b> Lead own patterns	<b><u>Counting 5</u></b> Show me 5
<b><u>Shape, Space and Measure 1</u></b> Explore and build with shapes and objects	<b><u>Subitising 1</u></b> I see 1,2,3	<b><u>Counting 3</u></b> Move and Label 1,2,3	<b><u>Shape, space and measure 4</u></b> Match, talk, push, pull	<b><u>Shape, space and measure 5</u></b> Start to puzzle	<b><u>Pattern 6</u></b> My own pattern
<b><u>Pattern 1</u></b> Explore repeats	<b><u>Pattern 2</u></b> Join in with repeats	<b><u>Shape, space and measure 3</u></b> Explore position and routes	<b><u>Subitising 3</u></b> Talk about dots	<b><u>Pattern 5</u></b> Making Patterns together	<b><u>Counting 6</u></b> Stopping at 1,2,3,4,5
<b><u>Counting 1</u></b> Hear and say number names	<b><u>Shape, space and measure 2</u></b> Explore position and space	<b><u>Pattern 3</u></b> Explore own first patterns	<b><u>Comparison 2</u></b> Compare and sort collections	<b><u>Subitising 4</u></b> Make games and actions	<b><u>Comparison 3</u></b> <b><u>Match, sort, compare</u></b>

<b>Mastering Number NCETM</b>					
<b>Autumn 1</b>	<b>Week 1</b>	<b>Week 2</b>	<b>Week 3</b>	<b>Week 4</b>	<b>Week 5</b>
<b>Focus</b>	<b>Subitising</b>	<b>Counting, ordinality and cardinality</b>	<b>Composition</b>	<b>Subitising</b>	<b>Comparison</b>
	Subitising within 3	Focus on counting skills	Explore how all numbers are made of 1s Focus on	Subitise objects and sounds	Comparison of sets - 'just by looking' Use the language of comparison: more than and fewer than
<b>Autumn 2</b>	<b>Week 6</b>	<b>Week 7</b>	<b>Week 8</b>	<b>Week 9</b>	<b>Week 10</b>
<b>Focus</b>	<b>Counting, ordinality and cardinality</b>	<b>Comparison</b>	<b>Composition</b>	<b>Subitising</b>	<b>Comparison</b>
	Focus on counting skills Focus on the 'five-ness of 5' using one hand and the die pattern for 5	Comparison of sets - by matching Use the language of comparison: more than, fewer than, an equal number	Explore the concept of 'whole' and 'part'	Focus on the composition of 3, 4 and 5	Practise object counting skills Match numerals to quantities within 10 Verbal counting beyond 20

<b>Mastering Number NCETM</b>					
<b>Spring 1</b>	<b>Week 11</b>	<b>Week 12</b>	<b>Week 13</b>	<b>Week 14</b>	<b>Week 15</b>
<b>Focus</b>	<b>Subitising</b>	<b>Counting, ordinality and cardinality</b>	<b>Composition</b>	<b>Composition</b>	<b>Composition</b>
	Subitise within 5 focusing on die patterns Match numerals to quantities within 5	Counting – focus on ordinality and the 'staircase' pattern See that each number is one more than the previous number	Focus on 5	Focus on 6 and 7 as '5 and a bit'	Compare sets and use language of comparison: more than, fewer than, an equal number to Make unequal sets equal
<b>Spring 2</b>	<b>Week 16</b>	<b>Week 17</b>	<b>Week 18</b>	<b>Week 19</b>	<b>Week 20</b>
<b>Focus</b>	<b>Counting, ordinality and cardinality</b>	<b>Comparison</b>	<b>Composition</b>	<b>Composition</b>	<b>Composition</b>
	Focus on the 'staircase' pattern and ordering numbers	Focus on ordering of numbers to 8 Use language of less than	Focus on 7	Doubles – explore how some numbers can be made with 2 equal parts	Sorting numbers according to attributes - odd and even numbers

<b>Mastering Number NCETM</b>					
<b>Summer 1</b>	<b>Week 21</b>	<b>Week 22</b>	<b>Week 23</b>	<b>Week 24</b>	<b>Week 25</b>
<b>Focus</b>	<b>Counting, ordinality and cardinality</b>	<b>Subitising</b>	<b>Composition</b>	<b>Composition</b>	<b>Comparison</b>
	Counting – larger sets and things that cannot be seen	Subitising to 6, including in structured arrangements	Comparisons of 5 and a bit	Composition of 10	Comparison – linked to ordinality. Plat track games
<b>Summer 2</b>	<b>Week 26</b>	<b>Review</b>	<b>Review</b>	<b>Review</b>	<b>Review</b>
Focus	Subitise to 5 Introduce the rekenrek	Automatic recall of bonds to 5	Composition of numbers to 10	Comparison	Number patterns and counting

<b>White Rose Maths Reception – Shape, Space and Measure</b>					
<b>Autumn 1</b>	<b>Autumn 2</b>	<b>Spring 1</b>	<b>Spring 2</b>	<b>Summer 1</b>	<b>Summer 2</b>
Matching shapes and objects to the shelves	Circles and triangles  Shapes with 4 sides	Mass and capacity	Length, height and time	3D shapes	consolidation