

Maths Long Term Plan



	Autumn Term	Spring Term	Summer Term
Maths at Spring Grove Primary School	<p>The primary goal in the EYFS is to provide a solid foundation for future learning and we have identified the core concepts that will be developed in the EYFS which are developed in Nursery and Reception. Direct teaching includes number rhymes, songs and games as well as the learning focus and is followed by teacher led activities to secure and explore new concepts further, as well as opportunities to practice through activities in the enhanced provision.</p> <p>In Reception teachers follow The White Rose's suggested areas of learning, the children in EYFS have a daily maths input. The White Rose Maths approach is one method among many, but its emphasis on problem-solving and deep understanding can be particularly beneficial in supporting future learning.</p> <p>In Key Stage One and Key Stage Two teachers use The White Rose medium-term plans as a guide to inform maths planning which meets the requirements of the curriculum. However, teachers are expected to use ongoing assessment to adapt plans to meet the needs of their children. There is a daily maths lesson where pupils will work on the key concepts in maths and develop their reasoning and problem-solving skills.</p>		
Nursery	<p>Number Begin to say some numbers in order Say one number for each item in order Say one number for each item in order: 1,2,3,4,5. Knowing that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle'). Compare quantities using language: 'more than', 'fewer than'. Link numerals and amounts: for example, showing the right number of objects to match the numeral, up to 5. Experiment with their own symbols and marks as well as numerals.</p> <p>Numerical Pattern Become familiar with pattern of number and pattern of school day Develop fast recognition of up to 3 objects, without having to count them individually ('subitising') Recite numbers past 5. Extend and create ABAB patterns – stick, leaf, stick, leaf.</p> <p>Shape and Measure Understand position through words alone – for example, "The bag is under the table," – with no pointing. To begin to recognise basic 2D shapes - rectangle, square, circle and triangle (to include matching some shapes to the shadow) Make comparisons between objects relating to size, length, weight and capacity.edge." Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round'.</p>		
Reception	<p>Number Count objects, actions and sounds Subitise Explore the composition of numbers to 5 Link numeral with number quantity Use a tens frame to explore and consolidate the composition of 10 Explore composition of number up to 20 and recall and use number facts independently when problem solving. Sharing into equal groups</p> <p>Numerical Pattern Count to 10 and beyond and compare numbers and quantities to 10 Verbally count beyond 20 and begin to look at number patterns (to include introducing odd and even numbers) Explore mathematical symbols</p> <p>Shape and Measure Consolidate 2D and 3D shape knowledge and compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can Use language associated with length, time, weight and capacity during play. Matching shapes shown in an irregular way to develop spacial reasoning skills</p>		

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Year One	<p>Weeks 1-5: Place Value within 10 Weeks 6-10: Addition and Subtraction within 10 Week 11: Geometry (Shape)</p>	<p>Weeks 1-3: Place Value within 20 Weeks 4-6: Addition and Subtraction within 20 Weeks 7-8: Place Value within 50 Weeks 9-10: Measurement (Length and height) Weeks 11-12: Measurement (Mass and Volume)</p>	<p>Weeks 1-3: Multiplication and Division Weeks 4-5: Fractions Week 6: Geometry (Position and Direction) Weeks 7-8: Place Value within 100 Week 9: Measurement (Money) Weeks 10-11: Measurement (Time)</p>
Year Two	<p>Weeks 1-4: Place Value Weeks 5-9: Addition and Subtraction Week 10-12: Geometry (Shape)</p>	<p>Weeks 1-2: Measurement (Money) Weeks 3-7: Multiplication and Division Weeks 8-9: Measurement (Length and height) Weeks 10-12: Measurement (Mass, capacity and temperature)</p>	<p>Weeks 1-3: Fractions Weeks 4-6: Measurement (Time) Weeks 7-8: Statistics Week 9-10: Geometry (Position and Direction)</p>
Year Three	<p>Weeks 1-3: Place Value Weeks 4-8: Addition and Subtraction Weeks 9-12: Multiplication and Division</p>	<p>Weeks 1-3: Multiplication and Division Weeks 4-6: Measurement (Length and perimeter) Weeks 7-9: Fractions Weeks 10-12: Measurement (Mass and capacity)</p>	<p>Weeks 1-2: Fractions Weeks 3-4: Measurement (Money) Weeks 5-7: Measurement (Time) Weeks 8-9: Geometry (Shape) Weeks 10-11: Statistics</p>
Year Four	<p>Weeks 1-4: Place Value Weeks 5-7: Addition and Subtraction Week 8: Measurement (Area) Week 9-11: Multiplication and Division</p>	<p>Weeks 1-3: Multiplication and Division Weeks 4-5: Measurement (Length and perimeter) Weeks 6-9: Fractions Weeks 10-12: Decimals</p>	<p>Weeks 1-2: Decimals Weeks 3-4: Measurement (Money) Weeks 5-6: Measurement (Time) Weeks 8-9: Geometry (Shape) Week 10: Statistics Weeks 11-12: Geometry (Position and Direction)</p>
Year Five	<p>Weeks 1-3: Place Value Weeks 4-5: Addition and Subtraction Weeks 6-8: Multiplication and Division Week 9-12: Fractions</p>	<p>Weeks 1-3: Multiplication and Division Weeks 4-5: Fractions Weeks 6-8: Decimals and Percentages Weeks 9-10: Measurement (Perimeter and Area) Weeks 11-12: Statistics</p>	<p>Weeks 1-3: Geometry (Shape) Weeks 4-5: Geometry (Position and Direction) Weeks 6-8: Decimals Week 9: Number (Negative Numbers) Weeks 10-11: Measurement (Converting Units) Week 12: Measurement (Volume)</p>
Year Six	<p>Weeks 1-2: Place Value Weeks 3-7: Addition, subtraction, multiplication and division Weeks 8-11: Fractions Week 12 -: Converting Units</p>	<p>Weeks 1-2: Ratio Weeks 3-4: Algebra Weeks 5-6: Decimals Weeks 7-8: Fractions, decimals and percentages Weeks 9-10: Area, volume and perimeter Weeks 11-12: Statistics</p>	<p>Weeks 1-3: Geometry Week 4: Geometry (Position and Direction) Weeks 5-12: Themed projects, consolidation and problem solving activities</p>

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