



## BRW Learning and Teaching Overview– Mathematics

### **INTENT:**

To

- teach our children to make sense of the world around
- enable our children to understand and appreciate relationships and pattern in both number and space in their everyday lives
- develop confident, resilient mathematicians with deep understanding, who choose the most fluent methods; reason in a range of ways; and understand how to problem-solve securely
- support our children in learning to appreciate the contribution made by many societies to the development and application of mathematics

### **IMPLEMENTATION:**

By

- developing children's ability to calculate, to reason and to solve problems
- providing and building on a rich, engaging and creative maths curriculum for all children that uses a range of representations to connect concepts across objects, images, symbols and words
- ensuring learning is sequenced, progressive and systematic with clear feedback for improvement that enables children to know what to do to improve
- providing opportunities that challenge children, teaching them to value mistakes and approach learning positively
- planned repetition to support revisiting, recalling and practicing to ensure learning is embedded into long-term memory
- working across our community to ensure children receive adequate support at home in order to continue to make good progress

### **IMPACT:**

So that children

- understand the importance of mathematics in everyday life
- feel enjoyment and enthusiasm for learning through a range of creative, real-life, cross-curricular explorations of maths
- develop true depth of thinking through fluency, reasoning and problem-solving
- are resilient, confident and competent masters of all areas of the mathematics curriculum
- make even greater academic attainment and progress in the subject of maths

The White Rose Schemes of Learning are used as a starting point for teachers at Blessed Robert Widmerpool Primary Years 1 to 6. In the Foundation Stage, the Early Learning Goals are followed.

Teachers follow the schedules laid out below. It is a guide only. They have control over the flexibility of learning and teaching in maths: how much time is dedicated to a topic will depend on the makeup of the cohort and ongoing teacher assessments. Teachers use their professional judgement to ensure understanding is secure and deepened where possible for the majority of children before moving onto the next topic. Opportunities to recall and revise concepts are made available by teachers throughout.

F1

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Counting		Counting / Change	Change	Comparison		Composition		Change		Counting (problem-solving)	
	Shape / Space / Measure (continuous provision)											
Spring	Counting		Counting / Change	Change	Comparison		Composition		Change		Counting (problem-solving)	
	Shape / Space / Measure (continuous provision)											
Summer	Counting		Counting / Change	Change	Comparison		Composition		Change		Counting (problem-solving)	
	Shape / Space / Measure (continuous provision)											

F2

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	<b>0</b> Counting, Comparison, Composition, Change	<b>1</b> Counting, Comparison, Composition, Change	<b>2</b> Counting, Comparison, Composition, Change		<b>3</b> Counting, Comparison, Composition, Change		<b>4</b> Counting, Comparison, Composition, Change		<b>5</b> Counting, Comparison, Composition, Change		<b>Problem-solving</b>	
	<div> <div>Pattern</div> <div>Shape / Space / Measure (continuous provision)</div> </div>											
Spring	<b>6</b> Counting, Comparison, Composition, Change		<b>7</b> Counting, Comparison, Composition, Change		<b>8</b> Counting, Comparison, Composition, Change		<b>9</b> Counting, Comparison, Composition, Change		<b>10</b> Counting, Comparison, Composition, Change		<b>11</b> Counting, Comparison, Composition, Change	
	<div> <div>Pattern</div> <div>Shape / Space / Measure (continuous provision)</div> </div>											
Summer	<div> <div>Teen numbers 13-20 – Counting, Comparison, Composition, Change</div> <div>Counting back</div> <div>Doubling</div> <div>Halving</div> <div>Counting on and back</div> <div>Consolidation</div> </div>											
	<div> <div>Pattern</div> <div>Shape / Space / Measure (continuous provision)</div> </div>											

Year 1

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	
Autumn term	<div>Number</div> <div>Place value (within 10)</div> <div>VIEW</div>					<div>Number</div> <div>Addition and subtraction (within 10)</div> <div>VIEW</div>				<div>Geometry</div> <div>Shape</div> <div>VIEW</div>	<div>Consolidation</div>		
Spring term	<div>Number</div> <div>Place value (within 20)</div> <div>VIEW</div>		<div>Number</div> <div>Addition and subtraction (within 20)</div> <div>VIEW</div>			<div>Number</div> <div>Place value (within 50)</div> <div>VIEW</div>		<div>Measurement</div> <div>Length and height</div> <div>VIEW</div>		<div>Measurement</div> <div>Mass and volume</div> <div>VIEW</div>			
Summer term	<div>Number</div> <div>Multiplication and division</div> <div>VIEW</div>		<div>Number</div> <div>Fractions</div> <div>VIEW</div>		<div>Geometry</div> <div>Position and direction</div> <div>VIEW</div>	<div>Number</div> <div>Place value (within 100)</div> <div>VIEW</div>		<div>Measurement</div> <div>Money</div> <div>VIEW</div>	<div>Measurement</div> <div>Time</div> <div>VIEW</div>				<div>Consolidation</div>

Year 2

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	<div>Number</div> <div>Place value</div> <div>VIEW</div>				<div>Number</div> <div>Addition and subtraction</div> <div>VIEW</div>				<div>Geometry</div> <div>Shape</div> <div>VIEW</div>			
Spring term	<div>Measurement</div> <div>Money</div> <div>VIEW</div>		<div>Number</div> <div>Multiplication and division</div> <div>VIEW</div>				<div>Measurement</div> <div>Length and height</div> <div>VIEW</div>		<div>Measurement</div> <div>Mass, capacity and temperature</div> <div>VIEW</div>			
Summer term	<div>Number</div> <div>Fractions</div> <div>VIEW</div>		<div>Measurement</div> <div>Time</div> <div>VIEW</div>		<div>Statistics</div> <div>VIEW</div>		<div>Geometry</div> <div>Position and direction</div> <div>VIEW</div>		<div>Consolidation</div>			

Year 3

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	<div>Number</div> <div>Place value</div> <div>VIEW</div>			<div>Number</div> <div>Addition and subtraction</div> <div>VIEW</div>				<div>Number</div> <div>Multiplication and division A</div> <div>VIEW</div>				
Spring term	<div>Number</div> <div>Multiplication and division B</div> <div>VIEW</div>			<div>Measurement</div> <div>Length and perimeter</div> <div>VIEW</div>		<div>Number</div> <div>Fractions A</div> <div>VIEW</div>			<div>Measurement</div> <div>Mass and capacity</div> <div>VIEW</div>			
Summer term	<div>Number</div> <div>Fractions B</div> <div>VIEW</div>		<div>Measurement</div> <div>Money</div> <div>VIEW</div>		<div>Measurement</div> <div>Time</div> <div>VIEW</div>			<div>Geometry</div> <div>Shape</div> <div>VIEW</div>		<div>Statistics</div> <div>VIEW</div>		<div>Consolidation</div>

Year 4

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	<div>Number</div> <div>Place value</div> <div>VIEW</div>				<div>Number</div> <div>Addition and subtraction</div> <div>VIEW</div>			<div>Measurement</div> <div>Area</div> <div>VIEW</div>	<div>Number</div> <div>Multiplication and division A</div> <div>VIEW</div>			<div>Consolidation</div>
Spring term	<div>Number</div> <div>Multiplication and division B</div> <div>VIEW</div>			<div>Measurement</div> <div>Length and perimeter</div> <div>VIEW</div>		<div>Number</div> <div>Fractions</div> <div>VIEW</div>			<div>Number</div> <div>Decimals A</div> <div>VIEW</div>			
Summer term	<div>Number</div> <div>Decimals B</div> <div>VIEW</div>		<div>Measurement</div> <div>Money</div> <div>VIEW</div>		<div>Measurement</div> <div>Time</div> <div>VIEW</div>		<div>Consolidation</div>	<div>Geometry</div> <div>Shape</div> <div>VIEW</div>		<div>Statistics</div> <div>VIEW</div>	<div>Geometry</div> <div>Position and direction</div> <div>VIEW</div>	

### Year 5

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	<div>Number</div> <div>Place value</div> <div>VIEW</div>			<div>Number</div> <div>Addition and subtraction</div> <div>VIEW</div>		<div>Number</div> <div>Multiplication and division A</div> <div>VIEW</div>			<div>Number</div> <div>Fractions A</div> <div>VIEW</div>			
Spring term	<div>Number</div> <div>Multiplication and division B</div> <div>VIEW</div>			<div>Number</div> <div>Fractions B</div> <div>VIEW</div>		<div>Number</div> <div>Decimals and percentages</div> <div>VIEW</div>			<div>Measurement</div> <div>Perimeter and area</div> <div>VIEW</div>		<div>Statistics</div> <div>VIEW</div>	
Summer term	<div>Geometry</div> <div>Shape</div> <div>VIEW</div>			<div>Geometry</div> <div>Position and direction</div> <div>VIEW</div>		<div>Number</div> <div>Decimals</div> <div>VIEW</div>			<div>Number Negative numbers</div> <div>VIEW</div>		<div>Measurement</div> <div>Converting units</div> <div>VIEW</div>	
											<div>Measurement Volume</div> <div>VIEW</div>	

Year 6

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	<div>Number</div> <div>Place value</div> <div>VIEW</div>		<div>Number</div> <div>Addition, subtraction, multiplication and division</div> <div>VIEW</div>				<div>Number</div> <div>Fractions A</div> <div>VIEW</div>		<div>Number</div> <div>Fractions B</div> <div>VIEW</div>		<div>Measurement</div> <div>Converting units</div> <div>VIEW</div>	
Spring term	<div>Number</div> <div>Ratio</div> <div>VIEW</div>		<div>Number</div> <div>Algebra</div> <div>VIEW</div>		<div>Number</div> <div>Decimals</div> <div>VIEW</div>		<div>Number</div> <div>Fractions decimals and percentages</div> <div>VIEW</div>		<div>Measurement</div> <div>Area, perimeter and volume</div> <div>VIEW</div>		<div>Statistics</div> <div>VIEW</div>	
Summer term	<div>Geometry</div> <div>Shape</div> <div>VIEW</div>		<div>Geometry</div> <div>Position and direction</div> <div>VIEW</div>		<div>Themed projects, consolidation and problem solving</div>							