



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:

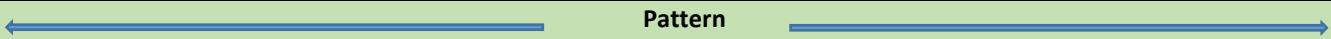

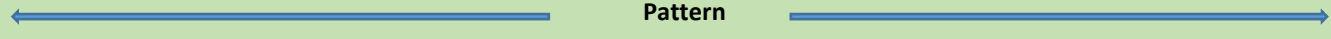
So that children

- 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

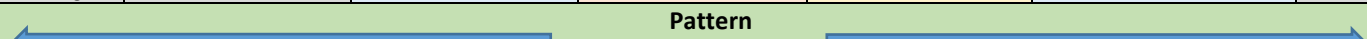
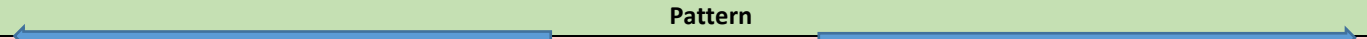
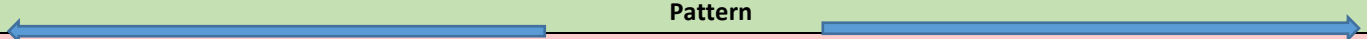
The White Rose Schemes of Learning are used as a starting point for teachers at Blessed Robert Widmerpool Primary Years 1 to 6. In the Foundation Stage, the Early Learning Goals are followed.

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

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	Number Place value (within 10) VIEW					Number Addition and subtraction (within 10) VIEW					Geometry Shape VIEW	Consolidation
Spring term	Number Place value (within 20) VIEW	Number Addition and subtraction (within 20) VIEW			Number Place value (within 50) VIEW	Measurement Length and height VIEW	Measurement Mass and volume VIEW					
Summer term	Number Multiplication and division VIEW		Number Fractions VIEW		Geometry Position and direction VIEW	Number Place value (within 100) VIEW		Measurement Money VIEW	Measurement Time VIEW		Consolidation	

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	Number Place value VIEW				Number Addition and subtraction VIEW				Geometry Shape VIEW			
Spring term	Measurement Money VIEW	Number Multiplication and division VIEW					Measurement Length and height VIEW	Measurement Mass, capacity and temperature VIEW				
Summer term	Number Fractions VIEW			Measurement Time VIEW			Statistics VIEW		Geometry Position and direction VIEW		Consolidation	

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	Number Place value VIEW			Number Addition and subtraction VIEW				Number Multiplication and division A VIEW				
Spring term	Number Multiplication and division B VIEW			Measurement Length and perimeter VIEW		Number Fractions A VIEW		Measurement Mass and capacity VIEW				
Summer term	Number Fractions B VIEW		Measurement Money VIEW	Measurement Time VIEW			Geometry Shape VIEW	Statistics VIEW		Consolidation		

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	Number Place value VIEW				Number Addition and subtraction VIEW			Measurement Area VIEW	Number Multiplication and division A VIEW			Consolidation
Spring term	Number Multiplication and division B VIEW			Measurement Length and perimeter VIEW		Number Fractions VIEW			Number Decimals A VIEW			
Summer term	Number Decimals B VIEW		Measurement Money VIEW	Measurement Time VIEW		Consolidation	Geometry Shape VIEW		Statistics VIEW	Geometry Position and direction VIEW		

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	Number Place value VIEW		Number Addition and subtraction VIEW		Number Multiplication and division A VIEW			Number Fractions A VIEW				
Spring term	Number Multiplication and division B VIEW		Number Fractions B VIEW		Number Decimals and percentages VIEW			Measurement Perimeter and area VIEW		Statistics VIEW		
Summer term	Geometry Shape VIEW		Geometry Position and direction VIEW		Number Decimals VIEW			Number Negative numbers VIEW	Measurement Converting units VIEW		Measurement Volume VIEW	

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	Number Place value VIEW		Number Addition, subtraction, multiplication and division VIEW				Number Fractions A VIEW		Number Fractions B VIEW		Measurement Converting units VIEW		
Spring term	Number Ratio VIEW		Number Algebra VIEW		Number Decimals VIEW		Number Fractions decimals and percentages VIEW		Measurement Area, perimeter and volume VIEW		Statistics VIEW		
Summer term	Geometry Shape VIEW		Geometry Position and direction VIEW		Themed projects, consolidation and problem solving								