

St Joseph the Worker Catholic Primary School

Mathematics Long Term Plan



Year R – Year 6

Our Long-term plan has been developed from White Rose whilst incorporating the aims and objectives from the Statutory Framework for the Early Years Foundation Stage and National Curriculum to meet the needs of our school.

It is designed to support a mastery approach to teaching and learning. Through a 'block approach' it allows for basic skills to be mastered first and built upon throughout the year. We believe that spending longer on mastering key topics will build children's confidence and help secure understanding meaning less time will be spent on other topics throughout the year.

It allows for incorporation of concrete, pictorial and abstract approaches to ensure secure understanding of mathematical concepts. Furthermore, it provides opportunity to build reasoning and problem-solving elements into the curriculum.

It is the expectation that the Long-Term Plan is adapted throughout the year based on what has previously been taught, prior assessments, White Rose End of Block Assessments and formative assessment.

Curriculum Coverage:

Number and place value
Addition and Subtraction
Multiplication and division
Fractions (Decimals and percentages)
Measurement
Geometry (properties of shapes, position and direction)
Statistics

* - we have allocated longer to this section. Plans are adaptable, if we feel that children need longer on a particular unit to consolidate, then we will adapt our plans to accommodate this. In the same way, if we feel that children will not need as long within sections, we will adapt accordingly.

Reception

Term	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15
Autumn	Reception Baseline Assessment		Match, Sort and Compare		Talk About Measure and Patterns		It's Me 1, 2, 3! *			Circles and Triangl es	1, 2, 3, 4, 5 *			Shapes with 4 sides	Consolidation inc.Numberblocks/ten focus
	Positional Language Times of the Day Class Routines														
Spring	Week 1		Week 2	Week 3		Week 4	Week 5	Week 6		Week 7	Week 8		Week 9	Week 10	
	Alive in 5!			Mass and Capacity		Growing 6, 7, 8		Length, Height and Time			Building 9 and 10				

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Summer	Exploring 3D Shapes *S		To 20 and Beyond		How many now?	Manipulate, Compose and Decompose		Sharing and Grouping		Visualise, Build and Map			MakeConnections	Consolidation inc.Numberblocks/ten focus

Year 1

Term	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15
Autumn	Place Value (within 10)					Addition (within 10) * Subtraction (within 10) *						Shape *		Consolidation	
Spring	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10					
	Place Value (within 20)				Addition and Subtraction (within 20)			Number: Place Value (within 50)			Length and Height				

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Summer	Mass and Volume *		Number: Multiplication and Division (Reinforce multiples of 2, 5 and 10)			Fractions*			Position and Direction	Place Value (within 100)		Money	Time	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	Week 13	Week 14	Week 15
Autumn	Place Value to 100*					Addition and Subtraction*						Shape			Consolidation
Spring	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10					
	Money		Multiplication and Division (-)				Length and Height			Mass, Capacity and Temperature (-)					

Summer	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
	Fractions*				Time*				Statistics (also covered in science)		Position and Direction		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	Week 13	Week 14	Week 15
Autumn	Place Value			Addition and Subtraction*						A+S: Estimation/ Inverse * *2-step problems	Multiplication and Division A *3, 4, 8 including related calculations			Consolidation	
Spring	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6		Week 7	Week 8	Week 9	Week 10				
	Multiplication and Division B* *Formal Methods					Length and Perimeter *Consolidate addition/ subtraction				Fractions A					

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Summer	Mass and Capacity		Fractions B		Money		Time*			Shape		Statistics		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	Week 13	Week 14	Week 15
Autumn	Place Value				Addition and Subtraction			A & S inc.2step problems *	Area	Multiplication and Division*				Consolidation	
Spring	Week 1	Week 2	Week 3	Week 4		Week 5	Week 6	Week 7	Week 8	Week 9	Week 10		Week 11		Week 12
	Multiplication and Division (Consolidation of 2, 5, 10, 3, 4 and 8)				Length and Perimeter			Fractions				Decimals A			

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Summer	Decimals A and B*				Measurement: Money		Time		Geometry – Properties of Shape Including position and direction*				Statistics	Consoli dation

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	Week 13	Week 14	Week 15
Autumn	Place Value				Addition and Subtraction				Multiplication and Division*				Fractions A		
Spring	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10					
	Multiplication and Division B				Fractions B			Decimals and Percentages				Perimeter and area			
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	

Summer	Statistics	Shape	Position and direction	Decimals	Negative numbers	Converting units	Volume
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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	Week 13	Week 14	Week 15
Autumn	Place Value			Addition and Subtraction				Multiplication and Division			Fractions A		Fractions B		Converting units
Spring	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Area, Perimeter and volume					
	Ratio		Algebra		Decimals		Fractions, Decimals and Percentages								

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Summer	Statistics		Shape			Position and direction		Themed projects, consolidation and problem solving						