



Maths Long Term Plan

At the Magdalen School Church of England/Methodist Primary School, Maths is taught in a mastery approach, supported by the Mastery Scheme: Maths – No Problem!

Why this lesson at this time?

Each lesson is carefully sequenced to ensure that learning builds upon prior knowledge and introduces variation, representation and structure in order to maximise children's learning and understanding. Lessons are planned coherently, underpinning Rosenshine's Principles of Instruction, to introduce new material in small steps, with appropriate scaffolds.

In addition to the maths lesson, each class has a short fluency session, to ensure dedicated time to teach the systematic development of number facts.

EYFS

In EYFS (reception), the daily maths activities are made up of whole class teaching, small group teaching, group practice and independent discovery through continuous provision, following the framework of Maths No Problem Foundations. The children are taught the systematic teaching of number facts through the NCETM Mastering Number Programme.

Key Stage One

The maths curriculum in Key Stage One is taught in a Mastery approach in conjunction with Maths No Problem. The systematic teaching of number facts is delivered in short fluency lessons, underpinned by the NCETM Mastering Number Programme.

Key Stage Two

The maths curriculum in Key Stage Two is taught in a Mastery approach in conjunction with Maths No Problem. The systematic teaching of number facts is delivered in short fluency lessons. In Year Three this begins consolidating addition and subtraction number facts, before moving on to Times Tables facts. Times Tables work continues in Year Four. In Year Five and Six, children focus on efficient strategies for arithmetic.

The following plans are subject to change at the discretion of the class teacher and subject leader due to the individual needs of each, to ensure that learning is long-lasting and secure.



Reception

	Autumn	Spring	Summer
Week 1	Welcome to School and Reception Baseline	Number and Pattern: Counting	Number and Pattern: Counting On to Add
Week 2		Number and Pattern: Counting and Ordering	Number and Pattern: Counting Forwards and Backwards
Week 3		Number and Pattern: Counting	Number and Pattern: Counting to 20
Week 4	Number and Pattern: Matching	Number and Pattern: Addition	Number and Pattern: Doubling
Week 5	Number and Pattern: Sorting	Number and Pattern: Comparing and Ordering	Number and Pattern: Halving and Sharing
Week 6	Shape Space and Measure: Comparing and Ordering	Number and Pattern: Counting	Number and Pattern: Odds and Evens
Week 7	Number and Pattern: AB Patterns		Shape, Space and Measure: Mass
Week 8	Number and Pattern: Counting	Number and Pattern: Patterns	Shape, Space and Measure: Volume and Capacity
Week 9	Shape, Space and Measure: Time	Shape, Space and Measure: Measuring lengths and heights	Shape, Space and Measure: Money
Week 10	Number and Pattern: Composition of Numbers up to Five	Shape, Space and Measure: Capacity - developing language	Number and Pattern: Data
Week 11	Shape, Space and Measure: 2D Shapes	Shape, Space and Measure: 2D Shapes	Number and Pattern, Shape, Space and Measure: Revision of all aspects
Week 12	Shape, Space and Measure: Positional Language	Shape, Space and Measure: 3D Shapes	Number and Pattern: Word Problems



Year One

	Autumn Term	Spring Term	Summer Term
Week 1	Number and Place Value: Numbers to 10	Calculations: Addition and Subtraction within 20	Calculations: Multiplication
Week 2		Geometry - Properties of Shape: Shapes and Patterns	Calculations: Division
Week 3	Calculations: Addition and Subtraction		Measurement: Height and Length
Week 4		Number and Place Value: Numbers to 100	
Week 5			Review and Remediation
Week 6			
Week 7		Number and Place Value: Numbers to 40	Measurement: Money
Week 8	Geometry - Position and Direction: Positions		Assessment Week (TBC)
Week 9		Calculations: Addition and Subtraction	Measurement: Volume and Capacity
Week 10	Number and Place Value: Numbers to 20	Assessment Week (TBC)	Measurement: Mass
Week 11		Calculations: Addition and Subtraction within 20	Calculations: Addition and Subtraction
Week 12	Calculations: Multiplication		Review and Remediation



Year Two

	Autumn Term	Spring Term	Summer Term
Week 1	Number and Place Value: Numbers to 100	Measurement: Mass and Temperature	Fractions: Fractions
Week 2			
Week 3	Calculations: Addition and Subtraction	Statistics: Pictograms	Measurement: Time
Week 4		Calculations: Subtraction	SATS
Week 5		Measurement: Money	
Week 6	Calculations: Multiplication of 2, 5 and 10		Geometry - Properties of Shapes: 2D Shapes
Week 7			
Week 8		Calculations: Multiplication and Division of 2, 5 and 10	
Week 9	Assessment Week (TBC)	Geometry - Properties of Shapes: 3D Shapes	
Week 10	Measurement: Length	Assessment Week (TBC)	Review and Revisit Topics
Week 11		Fractions: Fractions	
Week 12			

Due to job-sharing arrangements in this class, two strands may be taught concurrently, with each teacher responsible for delivering a distinct strand.



Year Three

	Autumn	Spring	Summer
Week 1	Number and Place Value: Numbers to 1000	Measurement: Length	Statistics: Pictographs and Bar Graphs
Week 2			Fractions, Decimals and Percentages: Fractions
Week 3	Measurement: Mass		
Week 4	Measurement: Volume		
Week 5			
Week 6	Measurement: Money		
Week 7		Geometry - Properties of Shapes: Angles	
Week 8	Calculations: Multiplication and Division	Assessment Week (TBC)	
Week 9	Assessment Week (TBC)	Measurement: Time	Geometry - Properties of Shapes: Angles, Lines and Shapes
Week 10	Calculations: Multiplication and Division	Assessment Week (TBC)	Geometry - Properties of Shapes: Lines and Shapes
Week 11	Calculations: Further Multiplication and Division	Measurement: Time	Measurement: Perimeter of Figures
Week 12			



Year Four

	Autumn	Spring	Summer
Week 1	Number and Place Value: Numbers to 10 000	Calculations: Further Multiplication and Division	Measurement: Money
Week 2			Measurement: Mass, Volume and Length
Week 3			
Week 4		Statistics: Graphs	
Week 5	Calculations: Addition and Subtraction within 10 000	Fractions, Decimals and Percentages: Fractions	Measurement: Area of Figures
Week 6			Geometry - Properties of Shapes: Geometry
Week 7			
Week 8	Calculations: Multiplication and Division	Measurement: Time	Assessment Week (TBC)
Week 9	Assessment Week (TBC)	Fractions, Decimals and Percentages: Decimals	Geometry - Properties of Shapes: Geometry
Week 10	Calculations: Multiplication and Division	Assessment Week (TBC)	
Week 11		Fractions, Decimals and Percentages: Decimals	Geometry - Position and Direction: Position and Movement
Week 12	Calculations: Further Multiplication and Division		Number and Place Value: Roman Numerals

Due to job-sharing arrangements in this class, two strands may be taught concurrently, with each teacher responsible for delivering a distinct strand.



Year Five

	Autumn	Spring	Summer
Week 1	Number and Place Value: Numbers to 1 000 000	Fractions, Decimals and Percentages: Fractions	Geometry - Position and Direction: Position and Movement
Week 2			Measurement: Measurements
Week 3			
Week 4	Calculations: Addition and Subtraction	Fractions, Decimals and Percentages: Decimals	Measurement: Area and Perimeter
Week 5			
Week 6	Calculations: Multiplication and Division	Fractions, Decimals and Percentages: Percentage	Assessment Week (TBC)
Week 7			
Week 8			
Week 9	Assessment Week (TBC)	Geometry - Properties of Shapes: Geometry	Measurement: Volume
Week 10	Calculations: Multiplication and Division	Assessment Week (TBC)	
Week 11	Calculations: Word Problems	Geometry - Properties of Shapes: Geometry	Number and Place Value: Roman Numerals
Week 12	Statistics: Graphs		Review and Revision



Year Six

	Autumn	Spring	Summer	
Week 1	Number and Place Value: Numbers to 10 Million	Measurement: Measurements	Geometry - Position and Direction: Position and Movement	
Week 2			Statistics: Graphs and Averages	
Week 3	Calculations: Four Operations on Whole Numbers	Word Problems	Revisit and Revise	
Week 4		Fractions, Decimals and Percentages: Percentage	SATs	
Week 5		Ratio and Proportion: Ratio	Number and Place Value: Negative Numbers	
Week 6			Measurement: Volume	
Week 7		Fractions, Decimals and Percentages: Fractions	Algebra: Algebra	Geometry - Properties and Shapes: Geometry
Week 8				
Week 9	Assessment Week (TBC)	Measurement: Area and Perimeter Assessment Week (TBC)	Geometry - Position and Direction: Position and Movement	
Week 10	Fractions, Decimals and Percentages: Decimals		Geometry - Properties and Shapes: Geometry	
Week 11		Revisit and Revise		
Week 12		Revisit and Revise		