



Ormskirk Asmall Primary School

The implementation of the school's maths curriculum:

At Asmall, we use Lancashire's Red Rose Mastery Maths Programme across all school phases.

A mastery curriculum rejects the idea that a large proportion of people 'just can't do maths' (NCETM 2016) and instead focuses on the idea that all pupils can achieve depth in their learning which can be accomplished by using key principles including:

- representation and structure (effective pedagogies for modelling, concrete-pictorial-abstract approaches, effective use of manipulatives and transition between them)
- coherence (curriculum design, progression of objectives, sequencing learning, small steps, contextualising learning between different areas of mathematics)
- mathematical thinking (effective questioning, identifying patterns and relationships, deep understanding through reasoning and problem solving, supporting children to achieve deeper learning where appropriate)
- variation (progression through representations using conceptual variation, progression through questioning using procedural variation)
- fluency (efficiency, accuracy, flexibility, developing unconscious competence)

These elements of effective mathematics teaching are supported in both the National Curriculum and the Ofsted Inspection Framework.

Lancashire's Red Rose Mastery scheme provides teachers with comprehensive planning materials for each lesson including teaching resources, detailed planning guidance and children's task sheets, including deeper learning tasks to challenge.

See tables below for maths topics implemented across the year in all phases of school.

Red Rose Mastery Maths Scheme: Reception Yearly Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Week 1		Unit 5 Numbers to 5	Unit 11 Counting and Comparing	Unit 16 Shape	Unit 21 Counting, Comparing and Ordering	Unit 26 Multiplication and Division
Week 2		Unit 6 Numbers to 6	Unit 12 Partitioning	Unit 17 Addition and Subtraction	Unit 22 Numbers to 20	Unit 27 Space
Week 3	Unit 1 Number 1	Unit 7 Numbers to 7	Unit 13 Addition and Subtraction			Unit 18 Multiplication and Division
Week 4	Unit 2 Numbers to 2	Unit 8 Numbers to 8		Unit 19 Space	Unit 24 Money	
Week 5	Unit 3 Numbers to 3	Unit 9 Numbers to 9	Unit 14 Comparing Measures	Unit 20 Time	Unit 25 Shape, Sorting and Patterning	Unit 30 Numbers to 20
Week 6	Unit 4 Numbers to 4	Unit 10 Numbers to 10	Unit 15 Sorting and Patterning			

Red Rose Mastery Maths Scheme: Year 1 Yearly Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Week 1	Unit 1 Place Value	Unit 5 Sequencing and Sorting	Unit 10 Place Value	Unit 16 Length and Mass	Unit 21 Place Value	Unit 27 Time
Week 2		Unit 6 Fractions	Unit 11 Mass	Unit 17 Addition and Subtraction	Unit 22 Addition and Subtraction	Unit 28 Multiplication and Division
Week 3	Unit 2 Length and Mass		Unit 12 2-D and 3-D Shape	Unit 18 Fractions		Unit 29 Statistics and Calculation
		Unit 7 Capacity and Volume			Unit 23 Capacity and Volume	
Week 4	Unit 3 Addition and Subtraction	Unit 8 Money	Unit 13 Counting and Money	Unit 19 Position & Direction	Unit 24 Fractions	Unit 30 Measurement
Week 5		Unit 9 Time	Unit 14 Multiplication	Unit 20 Time	Unit 25 Position & Direction and Time	Unit 31 Sorting and Sequencing
Week 6	Unit 4 2-D and 3-D Shape	Assess and review week	Unit 15 Division	Assess and review week	Unit 26 2-D and 3-D Shape	Assess and review week

Red Rose Mastery Maths Scheme: Year 2 Yearly Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Week 1	Unit 1 Place Value	Unit 5 Counting, Multiplication and Sorting	Unit 11 Place Value	Unit 16 Length	Unit 21 Place Value and Statistics	Unit 28 Addition and Subtraction
Week 2		Unit 6 Statistics	Unit 12 Mass and Volume and Capacity	Unit 17 Addition and Subtraction	Unit 22 Addition and Subtraction	Unit 29 Multiplication and Division
Week 3	Unit 2 Length and Mass	Unit 7 Fractions	Unit 13 Addition and Subtraction	Unit 18 2-D and 3-D Shape	Unit 23 Capacity and Volume Unit 24 Temperature	Unit 30 Statistics and Calculation
Week 4	Unit 3 Addition and Subtraction	Unit 8 Capacity and Volume Unit 9 Money	Unit 14 Money	Unit 19 Fractions and Position & Direction	Unit 25 Fractions	Unit 31 Measurement
Week 5		Unit 10 Time	Unit 15 Multiplication and Division	Unit 20 Time	Unit 26 Position & Direction and Time	Assess and review then address significant gaps
Week 6	Unit 4 2-D and 3-D Shape	Assess and review week		Assess and review week	Unit 27 2-D and 3-D Shape	

Red Rose Mastery Maths Scheme: Year 3 Yearly Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Week 1	Unit 1 Place value, addition and subtraction	Unit 5 Multiplication tables (3× and 4×)	Unit 10 Place value, addition and subtraction	Unit 15 2-D shape	Unit 20 Addition and subtraction	Unit 25 Place value
Week 2		Unit 6 Multiplication	Unit 11 Multiplication	Unit 16 Addition, subtraction and statistics		Unit 26 Calculation
Week 3	Unit 2 Length and perimeter	Unit 7 Division		Unit 17 Fractions	Unit 21 Multiplication and division	Unit 27 Fractions
Week 4	Unit 3 Statistics	Unit 8 Time	Unit 12 Fractions	Unit 18 Position & direction	Unit 22 2-D shape	Unit 28 Statistics
Week 5	Unit 4 Addition and subtraction	Unit 9 3-D shape	Unit 13 Division	Unit 19 Time	Unit 23 Decimal place value	Unit 29 Time
Week 6		Assess and review week	Unit 14 Volume, capacity and mass	Assess and review week	Unit 24 3-D shape	Assess and review week

Red Rose Mastery Maths Scheme: Year 4 Yearly Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Week 1	Unit 1 Place Value, Addition and Subtraction	Unit 5 Multiplication	Unit 9 Place Value	Unit 14 Addition and Subtraction and Money	Unit 20 Place Value	Unit 24 Fractions
Week 2				Unit 15 2-D Shape and Sorting	Unit 21 Addition and Subtraction	
Week 3	Unit 2 Length and Perimeter	Unit 6 Division	Unit 10 Multiplication	Unit 16 Position and Direction		Unit 25 2-D and 3-D Shape
Week 4	Unit 3 Statistics	Unit 7 Time		Unit 17 Area	Unit 22 Multiplication and Division and Measures	
Week 5	Unit 4 Addition and Subtraction	Unit 8 3-D Shape	Unit 11 Division	Unit 18 Statistics		Unit 26 Statistics
Week 6		Unit 4 Addition and Subtraction	Assess and review week	Unit 12 Addition and Subtraction	Unit 19 Measures	Unit 27 Place Value
	Unit 13 Fractions			Unit 23 Area		Assess and review week

Red Rose Mastery Maths Scheme: Year 5 Yearly Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Week 1	Unit 1 Place Value	Unit 6 Multiplication and Division	Unit 10 Place Value and Negative Numbers	Unit 15 Fractions	Unit 20 Place Value	Unit 25 Division
Week 2			Unit 11 Addition and Subtraction			Unit 26 Fractions
Week 3	Unit 2 Addition and Subtraction	Unit 7 Fractions	Unit 12 Multiplication	Unit 16 Geometry (Shape)	Unit 21 Measurement and Statistics	Unit 27 Percentages
Week 4		Unit 8 Multiplication and Area	Unit 13 Measures (Length, Mass and Capacity)	Unit 17 Measurement (Volume)		
Week 5	Unit 3 Statistics		Unit 14 Geometry	Unit 18 Statistics	Unit 22 Geometry	Unit 28 Statistics
Week 6	Unit 4 Geometry (Angles)	Unit 9 Time		Unit 19 Problem Solving including Bar Modelling	Unit 23 Addition and Subtraction	Unit 29 Measurement
	Unit 5 Geometry and Measures	Assess and review week		Assess and review week	Unit 24 Multiplication	Assess and review week

Red Rose Mastery Maths Scheme: Year 6 Yearly Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Week 1	Unit 1 Number and Place Value and Decimals	Unit 5 Fractions, Decimals and Percentages	Unit 9 Place Value, Negative Numbers and Number Sequences	Unit 13 Ratio and Proportion	Unit 18 Revision	Unit 20 Addition and Subtraction
Week 2						Unit 2 Addition and Subtraction
Week 3	Unit 3 Multiplication	Unit 7 Geometry and Area	Unit 11 Calculation	Unit 14 Statistics		
				Unit 15 Geometry (2-D and 3-D Shape)		
Week 4				Unit 4 Division	Unit 8 Statistics	Unit 12 Fractions
Week 5	Assess and review week	Assess and review week	Unit 17 Algebra			
Week 6						

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