2023 / 2024 Mathematics Whole School Curriculum Map

EYFS follows the sequence set out by LCC and uses the EYFS LAPS to ensure progress.

Years 1, 2, 3, 4 and 5 follow the LCC Red Rose Scheme.

We use the Lancashire Disc as the basis for planning and delivering maths in year 6.

All of the above are broken down into weekly units and all units are taught in the order specified. Exceptions may be where a specific focussed week has been organised. For example, money based activities during money week, problem solving during a problem solving week etc.

The curriculum is spiral within the year, with most areas being taught more than once and being built on throughout the year (Lancashire LAPS).

All units are taught with a Mastery focus built on small steps.

In Y6, examples of problem solving activities are taken from a variety of different sources to ensure a curriculum rich in problems presented in different ways. These include, White Rose Maths, Power Maths, NCETM, Nrich and testbase.

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
Planning	Maths is to be taught on an alternative daily basis with all children receiving	Maths is to be taught for 1 hour every day.	Maths is to be taught for 1 hour every day.	Maths is to be taught for 1 hour every day.	Maths is to be taught for 1 hour every day.	Maths is to be taught for 1 hour every day.	Maths is to be taught for 1 hour every day.		
	teacher input.	Planning to be taken from	Planning to be taken from	Planning to be taken from					
	Planning to be taken from LCC EYFS document	Red Rose Maths Scheme	LCC Planning Disc	LCC Planning Disc Additional time is to be					
		An additional, 10 minutes, 4	An additional, 10 minutes, 4	Additional time is to be	Additional time is to be	Additional time is to be			
	An additional, 10 minutes, 4	x a week session is to be	x a week session is to be	found for 3 x fluency	found for 3 x fluency	found for 3 x fluency	found for 3 x fluency sessions at the teacher's discretion. Number and Place Value		
	x a week session is to be	held following the	held following the	sessions with a focus	sessions with a focus	sessions at the teacher's			
	held following the	Mastering Number	Mastering Number	multiplication tables	multiplication tables	discretion.			
	Mastering Number	programme from NCETM.	programme from NCETM.	practise at the teacher's	practise at the teacher's				
	programme from NCETM.			discretion.	discretion.				
<u>Big Concepts</u>	Have a deep understanding of number to 10, including the composition of each number. • Subitise (recognise quantities without counting) up to 5. • Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.	Number and Place Value Number - Addition and Subtraction Number - Multiplication and Division Number : Fractions Geometry - Properties of Shape Geometry - Position and Direction Measurement Statistics	Number and Place Value Number - Addition and Subtraction Number - Multiplication and Division Number : Fractions Geometry - Properties of Shape Geometry - Position and Direction Measurement Statistics	Number and Place Value Number - Addition and Subtraction Number - Multiplication and Division Number : Fractions Geometry - Properties of Shape Geometry - Position and Direction Measurement Statistics	Number and Place Value Number - Addition and Subtraction Number - Multiplication and Division Number : Fractions and Decimals Geometry - Properties of Shape Geometry - Position and Direction Measurement Statistics	Number and Place Value Number - Addition and Subtraction Number - Multiplication and Division Number : Fractions, Decimals and Percentages Geometry - Properties of Shape Geometry - Position and Direction Measurement Statistics	Number - Addition and Subtraction Number - Multiplication and Division Fractions, Decimals and Percentages Ratio and Proportion Geometry - Properties of Shape Geometry - Position and Direction Measurement Statistics		
AUTUMN Weekly Overviews Each unit, although roughly broken into weekly units, is at the discretion of the class teacher as to the time needed to teach the concepts within the unit,	Aut 1 Aut 2	Aut 1 Aut 2	Aut 1 Aut 2	Aut 1 Aut 2	Aut 1 Aut 2	Aut 1 Aut 2	Aut 1 Aut 2		

for example fractions may take more than one week, whereas statistics may take less than one week.	Number 1 Number 2 Number 3	Number 6 Number 7 Number 8 Number 9	Unit 1 Place Value Unit 2 Length and Mass Unit 3 Addition and Subtraction Unit 4 2-D and 3-D Shape	Unit 5 Sequencing and Sorting Unit 6 Fractions Unit 7 Capacity and Volume Unit 8 Money Unit 9 Time Assess and review week	Unit 1 Place Value Unit 2 Length and Mass Unit 3 Addition and Subtraction Unit 4 2-D and 3-D Shape	Unit 5 Counting, Multiplication and Sorting Unit 6 Statistics Unit 7 Fractions Unit 8 Capacity and Volume Unit 9 Money Unit 10 Time Assess and review week	Unit 1 Place value, addition and subtraction Unit 2 Length and perimeter Unit 3 Statistics Unit 4 Addition and subtraction	Unit 5 Multiplication tables (3× and 4×) Unit 6 Multiplication Unit 7 Division Unit 8 Time Unit 9 3-D shape Assess and review week	Unit 1 Place Value, Addition and Subtraction Unit 2 Length and Perimeter Unit 3 Statistics Unit 4 Addition and Subtraction	Unit 5 Multiplication Unit 6 Division Unit 7 Time Unit 8 3-D Shape Assess and review week	Unit 1 Place Value Unit 2 Addition and Subtraction Unit 3 Statistics Unit 4 Geometry (Angles) Unit 5 Geometry and Measures	Unit 6 Multiplication and Division Unit 7 Fractions Unit 8 Multiplication and Area Unit 9 Time Assess and review week	Place Value Decimals Mental and Written Addition Mental and Written Multiplication (Time) 2-D and 3-D Shape Mental and Written Subtraction Mental and Written Subtraction	Fractions Fractions, Percentages, Ratio and Proportion Geometry (Angles), Statistics (Pie Charts) Measurement (Length, Perimeter, Mass) Measurement (Area and Volume) Assess and Review Week
<u>SPRING</u>	Spr 1	Spr 2	Spr 1	Spr 2	Spr 1	Spr 2	Spr 1	Spr 2	Spr 1	Spr 2	Spr 1	Spr 2	Spr 1	Spr 2
Weekly Overviews Each unit, although roughly broken into	Counting and Comparing	Addition	Unit 10 Place Value	Unit 16 Length and Mass	Unit 11 Place Value	Unit 16 Length	Unit 10 Place value, addition and subtraction	Unit 15 2-D shape	Unit 9	Unit 14 Addition and Subtraction and Money	Unit 10 Place Value and Negative Numbers	Unit 15 Fractions	Place Value, Sequences, Coordinates	Mental and Written Addition and Subtraction
weekly units, is at the discretion of the class teacher as to the time	Partitioning and Understanding Part-Whole	Subtraction	Unit 11 Mass	Unit 17 Addition and Subtraction	Unit 12 Mass and Volume and Capacity	Unit 17 Addition and Subtraction	Unit 11	Unit 16 Addition, subtraction and statistics	Place Value	Unit 15 2-D Shape and Sorting	Unit 11 Addition and Subtraction	Unit 16 Geometry (Shape)	2-D Shape, Coordinates, Translation and Reflection	Measurement, Ratio and Proportion
needed to teach the concepts within the unit, for example fractions may	Understanding 'Teens' Numbers	Halving and Doubling	Unit 12 2-D and 3-D Shape	Unit 18 Fractions	Unit 13 Addition and Subtraction	Unit 18 2-D and 3-D Shape	Multiplication	Unit 17 Fractions	Unit 10 Multiplication	Unit 16 Position and Direction	Unit 12 Multiplication	Unit 17 Measurement (Volume)	Temperature, Mean	2-D and 3-D Shape
take more than one week, whereas statistics may take less than one week.	Distance (length, height, width)	Number Sense	Unit 13 Counting and Money	Unit 19 Position & Direction	Unit 14 Money	Unit 19 Fractions and Position & Direction	Unit 12 Fractions	Unit 18 Position & direction		Unit 17 Area Unit 18 Statistics	Unit 13 Measures (Length, Mass and Capacity)	Unit 18 Statistics	Calculating with Fractions	Area, Perimeter and Volume of Shapes
	Mass/Weight and Capacity/Volume	Addition and Subtraction	Unit 14 Multiplication	Unit 20 Time	Unit 15 Multiplication and	Unit 20 Time	Unit 13 Division	Unit 19 Time	Unit 11 Division Unit 12	Unit 19 Measures	Unit 14	Unit 19 Problem Solving including Bar Modelling	Mental and Written Division	Statistics Line Graphs and Pie Charts
	Shape and Sorting		Unit 15 Division	Assess and review week	Division	Assess and review week	Unit 14 Volume, capacity and mass	Assess and review week	Addition and Subtraction Unit 13 Fractions	Assess and review week	Geometry	Assess and review week	Mental and Written Multiplication	Assess and Review Week
<u>SUMMER</u>	Sum 1	Sum 2	Sum 1	Sum 2	Sum 1	Sum 2	Sum 1	Sum 2	Sum 1	Sum 2	Sum 1	Sum 2	Sum 1	Sum 2
Weekly Overviews Each unit, although roughly broken into weekly units, is at the discretion of the class teacher as to the time needed to teach the concepts within the unit, for example fractions may take more than one week, whereas statistics may take less than one week.														

	Counting, Comparing and Ordering	Time	Unit 21 Place Value	Unit 27 Time	Unit 21 Place Value and Statistics	Unit 28 Addition and Subtraction	Unit 20 Addition and	Unit 25 Place value	Unit 20 Place Value	Unit 24		Unit 25 Division	Place Value, Decimals and Fractions	Measurement (Mass, Volume, Capacity)
	Understanding Part - Whole with Addition and Subtraction	Space	Unit 22 Addition and Subtraction	Unit 28 Multiplication and Division	Unit 22 Addition and Subtraction	Unit 29 Multiplication and Division	subtraction	Unit 26 Calculation	Unit 21 Addition and	Fractions	Unit 20 Place Value	Unit 26 Fractions	Mental and Written Calculation	Mental and Written Calculation
	Fractions	Money and Sorting	Unit 23 Capacity and Volume	Unit 29 Statistics and Calculation	Unit 23 Capacity and Volume Unit 24 Temperature	Unit 30 Statistics and Calculation	Unit 21 Multiplication and division	Unit 27 Fractions	Subtraction	Unit 25 2-D and 3-D Shape	Unit 21 Measurement and Statistics	Unit 27 Percentages	Calculating Fractions, Ratio and Proportion	Fractions
	Distance and Mass/Weight	Number Sense	Unit 24 Fractions	Unit 30 Measurement	Unit 25 Fractions	Unit 31 Measurement	Unit 22 2-D shape	Unit 28 Statistics	- Unit 22	Unit 26 Statistics	Unit 22 Geometry	Unit 28 Statistics	Coordinates, Translation and Reflection	Place Value Decimals
	Capacity/Volume and Money	and Money Addition and	Unit 25 Position & Direction and Time	Unit 31 Sorting and Sequencing	Unit 26 Position & Direction and Time Unit 27 2-D and 3-D Shape	Assess and review then address significant gaps	Unit 23 Decimal place value Unit 24 3-D shape	Unit 29 Time	Multiplication and Division and Measures	Unit 27 Place Value Assess and review week	Unit 23 Addition and Subtraction	Unit 29 Measurement	Algebra and Sequences	2-D and 3-D Shape
	Shape and Sorting	Subtraction	Unit 26 2-D and 3-D Shape	Assess and review week				Assess and review week	Unit 23 Area		Unit 24 Multiplication	Assess and review week	Measurement (Length / Time) Statistics (Mean)	Assess and Review Week
							3-D snape							
Vocab			Vocabulary is	s used in stem	sentences. The	ese are identi	fied in most les	sons and voca	bulary is displa	ayed on worki	ng walls for ch	ildren and adı	ults to use.	
STEM sentences			These are tal	ken from the L	ancashire Red	Rose Progran	nme, NCETM Re	eady To Progre	ss Programme	and the Curri	culum Prioritis	ation Program	nme.	