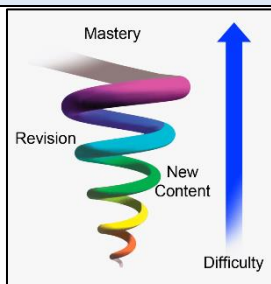


The Harmony Trust: Model Curriculum
Maths Long Term Plan – Year Group Overviews 2024-25
Last updated: 14th July 2024

This document outlines the coverage of mathematics throughout our academy. It is organised into weekly blocks, with a key focus for the week identified. Our curriculum has been designed and implemented with certain core values in mind, as outlined below.

Core values of our mathematics curriculum



Our maths curriculum has been designed in-house, originally suited to the needs of a very specific context – that being children with English as an Additional Language in Oldham. However, over time the curriculum has further been developed and has proven to be a successful approach that can be adapted to many different contexts. Ultimately, it is based on a spiral model, where children are given plentiful opportunities to revisit maths concepts, whilst building on prior knowledge with aspirations to achieve mastery. We define mastery as learners developing a deep understanding of mathematical concepts, based on high-quality adaptive teaching with consideration of fluency, variation, representation and mathematical thinking. Our curriculum is sequenced to maximise these opportunities, with mathematical strands carefully positioned to achieve maximum impact.

Strands of maths in each year group or phase (adapted from the National Curriculum, 2014)

EYFS	Number			Numerical Pattern			
Year 1	Place value	Number		Measurement		Geometry	
Year 2	Place value	Number	Measurement	Geometry		Statistics	
Year 3	Place value	Number	Measurement	Geometry		Statistics	
Year 4	Place value	Number	Measurement	Geometry		Statistics	
Year 5	Place value	Number	Measurement	Geometry		Statistics	
Year 6	Place value	Number	Measurement	Geometry	Statistics	Ratio & proportion	Algebra

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1	Settling in & number songs Number	Settling in & number songs Number	Finger rhymes to 5 Number	Counting 1:1 Number	Groups of 3 Number	Comparing amounts - more, lots, same Numerical Pattern	Comparing Sizes Numerical Pattern	
Autumn 2	Real life pattern Numerical Pattern	Comparing Length Numerical Pattern	Positional language Numerical Pattern	2D shape Numerical Pattern	2D shape Numerical Pattern	1:1 Counting Number	Comparing weight heavy Numerical Pattern	
Spring 1	Counting to 10 Numerical Pattern	1:1 Counting Number	Recognising numbers to 5 Number	Matching numerals to amounts Number	Matching numerals to amounts Number	Sequencing Numerical Pattern		
Spring 2	Repeating pattern Numerical Pattern	Repeating pattern Numerical Pattern	Positional Language Numerical Pattern	Comparing capacity – full and empty Numerical Pattern	2D shape Numerical Pattern	3D shape Numerical Pattern		
Summer 1	Counting beyond 10 Numerical Pattern	Sequencing Numerical Pattern	More than Numerical Pattern	Less than Numerical Pattern	Matching numerals to amounts Number			
Summer 2	Repeating pattern Numerical Pattern	Shape- 2D and 3D Numerical Pattern	Combining shapes Numerical Pattern	Positional language Numerical Pattern	1:1 Counting Number	Counting sets Number	Real-world problems Numerical pattern	Transition Week

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1	Settling in & number songs (RBA) Number	Settling in & number songs (RBA) Number	1:1 counting and matching numerals Number	1:1 counting and matching numerals Number	One less than Numerical Pattern	One more than Numerical Pattern	Sequencing Number Numerical Pattern	
Autumn 2	Pattern Numerical Pattern	Length Numerical Pattern	Size Numerical Pattern	2D shape Numerical Pattern	3D shape Numerical Pattern	Height Numerical Pattern	Weight Numerical Pattern	
Spring 1	Composition of numbers to 10 Number	Number bonds to 5 Number	Number bonds to 10 Number	Number bonds to 10 consolidation Number	Practical Addition Number	Practical addition consolidation Number		
Spring 2	Practical subtraction Number	Practical subtraction consolidation Number	Missing number – calculations (within 5) Number	Missing number – calculations (within 10) Number	Spatial Reasoning Numerical Pattern	Spatial Reasoning consolidation Numerical Pattern		
Summer 1	Building numbers beyond 10 Number	Building numbers beyond 10 consolidation Number	Doubling Numerical Pattern	Grouping and sharing (halving) Numerical Pattern	Odd and Even Numerical Pattern			
Summer 2	Number bonds to 10 Number	Addition Number	Subtraction Number	Grouping Numerical Pattern	Odd and Even Numerical Pattern	Problem Solving games Number	Problem Solving games Number	Transition Week

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1	Place Value Number	Place Value Number	Addition Number	Subtraction Number	Addition and subtraction Number	Addition and subtraction Number	Time Measurement	
Autumn 2	Place Value Number	Addition Number	Subtraction Number	Money Measurement	Length Measurement	Multiplication Number	2D shapes Geometry	
Spring 1	Place Value Number	Addition Number	Subtraction Number	Time Measurement	Fractions Number	Money Measurement		
Spring 2	Place Value Number	Multiplication Number	Division Number	Mass Measurement	Fractions Number	Pictograms and tally charts Y2 Statistics		
Summer 1	Place Value Number	Addition Number	Subtraction Number	Time Measurement	Position and direction Geometry			
Summer 2	Place Value Number	Multiplication Number	Division Number	Money Measurement	Capacity Measurement	3D shapes Geometry	Tables and block diagrams Y2 Statistics	Transition Week

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Maths Overview – Year 2

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1	Place Value Number	Place Value Number	Addition Number	Subtraction Number	Addition and subtraction Number	Multiplication Number	Time Measurement	
Autumn 2	Place Value Number	Addition Number	Subtraction Number	Money Measurement	Length Measurement	Multiplication Number	Properties of 2D shapes Geometry	
Spring 1	Place Value Number	Addition Number	Subtraction Number	Time Measurement	Fractions Number	Money Measurement		
Spring 2	Place Value Number	Multiplication Number	Division Number	Mass Measurement	Fractions Number	Pictograms and tally charts Statistics		
Summer 1	Place Value Number	Addition Number	Subtraction Number	Time Measurement	Position and direction Geometry			
Summer 2	Place Value Number	Multiplication Number	Division Number	Money Measurement	Capacity Measurement	Properties of 3D shapes Geometry	Tables and block diagrams Statistics	Transition Week

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Maths Overview – Year 3

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1	Place Value Number	Place Value Number	Addition Number	Subtraction Number	Money Measurement	Properties of 2D shapes Geometry	Length and perimeter Measurement	
Autumn 2	Place Value Number	Multiplication Number	Division Number	Fractions Number	Time Measurement	Mass Measurement	Tables and pictograms Statistics	
Spring 1	Place Value Number	Addition Number	Subtraction Number	Length Measurement	Properties of 2D shapes Geometry	Capacity Measurement		
Spring 2	Place Value Number	Multiplication Number	Division Number	Fractions Number	Time Measurement	Money Measurement		
Summer 1	Place Value Number	Addition Number	Subtraction Number	Properties of 3D shapes Geometry	Mass Measurement			
Summer 2	Place Value Number	Multiplication Number	Division Number	Fractions Number	Money Measurement	Capacity Measurement	Tables and bar charts Statistics	Transition Week

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1	Place Value Number	Place Value Number	Addition Number	Subtraction Number	Properties of 2D shapes Geometry	Angles Geometry	Time Measurement	
Autumn 2	Place Value Number	Multiplication Number	Division Number	Decimals Number	Decimals Number	Length Measurement	Position and direction Geometry	
Spring 1	Place Value Number	Addition and subtraction Number	Fractions Number	Area and perimeter Measurement	Properties of 2D & 3D shapes Geometry	Mass Measurement		
Spring 2	Place Value Number	Multiplication Number	Division Number	Decimals Number	Money Measurement	Tables and bar charts Statistics		
Summer 1	Place Value Number	Addition and subtraction Number	Fractions Number	Position and direction Geometry	Time Measurement			
Summer 2	Place Value Number	Multiplication Number	Division Number	Fractions and decimals Number	Area and perimeter Measurement	Capacity Measurement	Tables and time graphs Statistics	Transition Week

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1	Place Value Number	Place Value Number	Addition Number	Subtraction Number	Multiplication Number	Division Number	Properties of number Number	
Autumn 2	Place Value Number	Fractions Number	Fractions Number	Length Measurement	Angles Geometry	Area and perimeter Measurement	Time graphs and line graphs Statistics	
Spring 1	Place Value Number	Multiplication Number	Division Number	Time Measurement	Decimal numbers Number	Properties of 2D & 3D shapes Geometry		
Spring 2	Place Value Number	Fractions Number	Fractions Number	Capacity Measurement	Area and perimeter Measurement	Roman numerals Number		
Summer 1	Place Value Number	Addition and subtraction Number	Multiplication and division Number	Time Measurement	Percentages Number			
Summer 2	Place Value Number	Fractions, decimals & percentages Number	Fractions, decimals & percentages Number	Mass Measurement	UKS2 Unlocking Potential Assessment Point	Timetables Statistics	Position and direction Geometry	Transition Week

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1	Place Value Number	Place Value Number	Addition Number	Subtraction Number	Multiplication Number	Division Number	Properties of number Number	
Autumn 2	Fractions Number	Fractions Number	Fractions, decimals & percentages Number	UKS2 Unlocking Potential Assessment Point	Percentages Ratio & proportion	Properties of 2D & 3D shapes Geometry	Bar charts and line graphs Statistics	
Spring 1	Capacity Measurement	Angles Geometry	Constructing shapes Geometry	UKS2 Unlocking Potential Assessment Point	Time Measurement	Length and perimeter Measurement		
					Timetables Statistics			
Spring 2	Mass Measurement	Position and direction Geometry	Ratio and proportion Ratio & proportion	UKS2 Unlocking Potential Assessment Point	Algebraic thinking Algebra	Area and volume Measurement		
Summer 1	Circles Geometry	UKS2 Unlocking Potential Strategy Building	UKS2 Unlocking Potential Strategy Building	Y6 SATs week	Roman numerals Number			
	Pie charts Statistics							
Summer 2	Post-SATs Consolidation							