

The Harmony Trust: Model Curriculum
Maths Long Term Plan – Year Group Overviews 2023-24
Last updated: 19th July 2023

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. 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	Counting to 5 Number	Recognise 2D shape Numerical Pattern	Describe a route by sequencing Numerical Pattern	Size – big and small Numerical Pattern	Real-life pattern Numerical Pattern	
Autumn 2	Counting to 10 Number	Matching numbers to quantity (to 5) Number	Weight – heavy and light Numerical Pattern	Describe 2D shape Numerical Pattern	Solving problems Numerical Pattern	Positional language Numerical Pattern	Counting 1:1 correspondence Number	Repeating pattern - creating Numerical Pattern
Spring 1	Counting to 10 Number	2D shape – selecting appropriate shapes Numerical Pattern	Counting ‘How many?’ to 5 (Cardinal principle) Number	Capacity – full and empty Numerical Pattern	Recognising numbers to 5 Number	Describing routes and locations Numerical Pattern		
Spring 2	Counting to 10 Number	Positional language Numerical Pattern	Making sets to 5 (1:1 correspondence) Number	Sequencing events Numerical Pattern	Map for familiar routes Numerical Pattern			
Summer 1	Counting to 10 Number	Repeating pattern - identifying errors Numerical Pattern	More/less Number	Counting ‘How many?’ to 10 (Cardinal principle) Number	Combining shapes to create new ones Numerical Pattern	Length – long, short Numerical Pattern		
Summer 2	Counting to 10 Number	Making sets 1:1 to 10 (1:1 correspondence) Number	Ordering and writing numbers Number	Counting and labelling groups Number	Real-life 3D shapes (recognise) Numerical Pattern	EYFS assessments	Transition Week	

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Maths Overview – Reception

This document is a guide only and we recognise that best practice in EYFS is a child-centred approach. The topic listed is to be the key focus, although other elements will be covered as part of the provision.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1	Settling in Number songs Number Reception Baseline	Settling in Number songs Number Reception Baseline	1:1 counting and matching numerals Number	1:1 counting and matching numerals Number	One less than Numerical Pattern	One more than Numerical Pattern	Ordering numbers Numerical Pattern	
Autumn 2	Pattern Numerical Pattern	Length Numerical Pattern	Size Numerical Pattern	Height Numerical Pattern	2D shape Numerical Pattern	3D shape Numerical Pattern	Weight Numerical Pattern	Weight consolidation 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			
Summer 1	Spatial reasoning consolidation Numerical Pattern	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	Grouping consolidation Numerical Pattern	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 / Addition and subtraction Number						Length Measurement	
Autumn 2	Place Value Number	Addition Number	Subtraction Number	Addition and subtraction Number	2D shapes Geometry	Mass Measurement	Money Measurement	Time Measurement
Spring 1	Place Value Number	Addition Number	Subtraction Number	Addition and subtraction Number	Position and direction Geometry	Capacity Measurement		
Spring 2	Place Value Number	Addition Number	Subtraction Number	Fractions Number	Time Measurement			
Summer 1	Addition Number	Subtraction Number	Multiplication Number	Division Number	3D shapes Geometry	Length Measurement		
Summer 2	Addition and subtraction Number	Multiplication Number	Division Number	Fractions Number	Money Measurement	Time Measurement	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	Multiplication Number	Time Measurement	
Autumn 2	Place Value Number	Addition Number	Subtraction Number	Money Measurement	Length Measurement	Multiplication Number	Properties of 2D shapes Geometry	Pictograms and tally charts Statistics
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	Position and direction Geometry			
Summer 1	Place Value Number	Addition Number	Subtraction Number	Time Measurement Y2 SATs week	Fractions Number Y2 SATs week	Tables and block diagrams Statistics		
Summer 2	Place Value Number	Multiplication Number	Division Number	Money Measurement	Capacity Measurement	Properties of 3D shapes 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	Money Measurement	Properties of 2D shapes Geometry	Length and perimeter Measurement	
Autumn 2	Place Value Number	Multiplication Number	Division Number	Fractions Number	Time Measurement	Money 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			
Summer 1	Place Value Number	Addition Number	Subtraction Number	Money Measurement	Properties of 3D shapes Geometry	Mass Measurement		
Summer 2	Place Value Number	Multiplication Number	Division Number	Fractions Number	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	Tables and bar charts Statistics
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			
Summer 1	Place Value Number	Addition and subtraction Number	Fractions Number	Position and direction Geometry	Time Measurement	Tables and time graphs Statistics		
Summer 2	Place Value Number	Multiplication Number	Division Number	Fractions and decimals Number	Area and perimeter Measurement	Capacity Measurement	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	Roman numerals Number	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			
Summer 1	Place Value Number	Addition and subtraction Number	Multiplication and division Number	Time Measurement	Percentages Number	Timetables Statistics		
Summer 2	Place Value Number	Fractions, decimals & percentages Number	Fractions, decimals & percentages Number	Mass Measurement	Y6 SATs QLA	Position and direction Geometry	Transition Week	



Maths Overview – Year 6

	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	Percentages Ratio & proportion	Properties of 2D & 3D shapes Geometry	Y6 SATs QLA	Roman numerals Number	Bar charts and line graphs Statistics
Spring 1	Capacity Measurement	Time Measurement	Length and perimeter Measurement	Angles Geometry	Constructing shapes Geometry	Y6 SATs QLA		
		Timetables Statistics						
Spring 2	Mass Measurement	Position and direction Geometry	Ratio and proportion Ratio & proportion	Algebraic thinking Algebra	Area and volume Measurement			
Summer 1	Circles Geometry	Division Number	Y6 SATs Strategy Building timetable	Y6 SATs Strategy Building timetable	Y6 SATs week	Problem solving Number		
	Pie charts Statistics							
Summer 2	Post-SATs Consolidation							