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
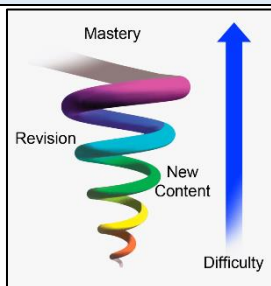
Our maths curriculum has been designed in-house, originally suited to the needs of a very specific context – that being children with English as an Additional Language in Oldham. However, over time the curriculum has further been developed and has proven to be a successful approach that can be adapted 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

The Harmony Trust: Model Curriculum
Maths Overview – Nursery

THE HARMONY TRUST
BELIEVE • ACHIEVE • SUCCEED

	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	
Spring 1	**Counting to 10** Number	**2D shape – selecting appropriate shapes** Numerical Pattern	**Counting 'How many?' to 5 (Cardinal principle)** Number	**Repeating pattern - creating** 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	**Capacity – full and empty** 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			
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	**Length – long, short** Numerical Pattern	EYFS assessments	Transition Week

The Harmony Trust: Model Curriculum
Maths Overview – Reception

THE HARMONY TRUST — BELIEVE • ACHIEVE • SUCCEED

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1	**Settling in Number songs** Number RBA	**Settling in Number songs** Number RBA	**Settling in Number songs** Number RBA	**1:1 correspondence (concrete without movement) and matching numbers** Number	**Recognise and order numbers** Number	**Matching numerals to quantity** Number	**1:1 correspondence (concrete with movement) and matching numbers** Number	
Autumn 2	**More/less/same** Numerical Pattern	**Ordering size** Numerical Pattern	**Ordering and writing numbers** Number	**2D shape (names and recognise)** Numerical Pattern	EYFS assessments	**1 more** Number	**1 less** Number	
Spring 1	**Comparing length** Numerical Pattern	**Subitising** Number	**Practical addition** Number	**Ordering and writing numbers backwards** Number	**Repeating patterns** Numerical Pattern	**Number bonds to 5 (addition)** Number		
Spring 2	**Practical doubling** Numerical Pattern	**Odds and evens** Numerical Pattern	**Practical subtraction** Number	**Number bonds to 5 (subtract)** Number	**3D shape (names and recognise)** Numerical Pattern	**2D shape (compose and decompose)** Numerical Pattern		
Summer 1	**Addition (formal number sentences)** Number	**Subtraction (formal number sentences)** Number	**Comparing weight** Numerical Pattern	**Practical sharing and halving** Numerical Pattern	**Comparing height** Numerical Pattern			
Summer 2	**Doubling (with number sentences)** Numerical Pattern	**Halving (with number sentences)** Numerical Pattern	**Addition (own number sentences)** Number	**Subtraction (own number sentences)** Number	**Number bonds to 10** Number	**Shape (select, rotate and manipulate)** Numerical Pattern	**Comparing capacity** Numerical Pattern	Transition Week

The Harmony Trust: Model Curriculum
Maths Overview – Year 1

	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 sStatistics	Transition Week

The Harmony Trust: Model Curriculum
Maths Overview – Year 2

THE HARMONY TRUST
BELIEVE • ACHIEVE • SUCCEED

	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

The Harmony Trust: Model Curriculum
Maths Overview – Year 3

THE HARMONY TRUST
BELIEVE • ACHIEVE • SUCCEED

	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

The Harmony Trust: Model Curriculum
Maths Overview – Year 4

THE HARMONY TRUST
BELIEVE • ACHIEVE • SUCCEED

	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	**Capacity** Measurement	**Area and perimeter** Measurement	**Tables and time graphs** Statistics	Transition Week

The Harmony Trust: Model Curriculum
Maths Overview – Year 5

	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

The Harmony Trust: Model Curriculum
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	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 / **Timetables** Statistics	**Length and perimeter** Measurement		
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 / **Pie charts** Statistics	UKS2 Unlocking Potential Strategy Building	UKS2 Unlocking Potential Strategy Building	Y6 SATs week	**Roman numerals** Number			
Summer 2	Post-SATs Consolidation							