LEYCROFT ACADEMY

Maths Long term plan 2026-2027

The Connectors Mathematics Pathway is rooted in the National Curriculum and provides ambitious, carefully sequenced learning that enables pupils to develop fluency, reasoning and problem-solving across all areas of mathematics. Through a spiral curriculum, key concepts are revisited and built upon over time, allowing pupils to strengthen understanding, make connections and apply learning in increasingly sophisticated ways. Mathematical knowledge and skills are taught through meaningful and engaging contexts, supporting independence, preparation for adulthood and success in future learning.

Connector - Formal Pathway								
Term	**Week 1**	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**	**Week 7**	**Week 8**
Autumn 1 **8 weeks**	BASELINE ASSESSMENTS		**Number Sense and Place Value** Representing numbers, place value, counting forwards and backwards, comparing and ordering numbers, number lines.			SSM: **Time and Sequencing** Days of the week, months of the year, sequencing events, daily routines, before and after, chronological order, reading and interpreting timetables and schedules.		
Autumn 2 **7 weeks**	Comparison and Place Value Partitioning numbers, estimating, rounding, counting in multiples, place value reasoning and problem solving.					**Shape and Spatial Reasoning** 2D and 3D shapes, recognising and classifying shapes, shape properties, sides, vertices, faces and edges, position and direction, turns, movement and spatial language.		
Spring 1 **6 weeks**	Addition and Subtraction Number bonds, fact families, addition, subtraction, inverse relationships, mental and written methods			**Pattern and Geometry** Patterns with shape, shape sequences, symmetry, sorting and classifying shapes, identifying similarities and differences, describing and reasoning about shape.				
Spring 2 **5 weeks**	**Multiplication and Division** Equal groups, repeated addition, arrays, multiplication, division, doubles, odd and even numbers			**Length, Height, Area and Perimeter** Measuring length and height, comparing and ordering measures, area, perimeter, choosing appropriate units of measure, solving problems involving measure.				
Summer 1 **7 weeks**	**Fractions** Parts and wholes, halves, quarters, thirds, comparing and ordering fractions		**Capacity and Volume** Comparing capacity, measuring capacity, full, empty and nearly full, volume, measuring and comparing quantities using standard and non-standard units.		**Weight and Mass** Measuring and comparing mass, weighing and balancing, comparing quantities using standard and non-standard units.			
Summer 2 **7 weeks**	**Applying Mathematics in Everyday Life** Counting and calculating in practical situations, Money recognition and exchange, Solving everyday mathematical problems				**Data Handling** tally charts, pictograms, bar charts, collecting, presenting, interpreting and comparing data.			

Connector Pathway

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Term	Math focus:	What Children Are Learning to Do...
Autumn 1	**Number focus: Place Value and Number Sense**	Develop understanding of number and quantity by representing, counting, comparing and ordering numbers. Use number lines, recognise number patterns and begin to estimate quantities whilst developing secure place value understanding.
	SSM focus: Time and Sequencing	Develop understanding of time by sequencing events, following routines and using chronological language. Read, describe and interpret time and schedules with increasing accuracy using days, months and time vocabulary.
Autumn 2	**Number focus: Comparison and Place Value**	Use place value knowledge to compare, order and partition numbers. Find 1 more and 1 less, estimate quantities, count in multiples and use place value reasoning to solve problems.
	SSM focus: Shape and Spatial Reasoning	Recognise, describe, compare and classify 2D and 3D shapes. Identify shape properties including sides, vertices, faces and edges, whilst describing movement, turns, position and direction using mathematical language.
Spring 1	**Number focus: Addition and Subtraction**	Use part-whole models, number bonds, fact families and inverse operations to solve addition and subtraction problems. Develop fluency using mental and written methods whilst explaining mathematical reasoning.
	SSM focus: Pattern and Geometry	Identify, continue and create patterns using shapes. Sort and classify shapes, explore symmetry and geometric relationships and describe similarities and differences between shapes.
Spring 2	**Number focus: Multiplication and Division**	Develop understanding of multiplication and division through equal groups, sharing, repeated addition and arrays. Use doubles, near doubles, related facts and odd and even number knowledge to solve problems.
	SSM focus: Length, Height, Area and Perimeter	Measure, compare and order length and height using standard units. Apply measurement knowledge to calculate area, perimeter and solve practical problems involving measure.
Summer 1	**Number focus: Fractions and Number Relationships**	Recognise, represent and compare fractions of shapes and quantities. Explore parts and wholes, equal and unequal parts, unit and non-unit fractions, denominators and equivalent relationships between fractions.
	SSM focus: Capacity, Volume, Weight and Mass	Measure, compare and reason about capacity, volume, weight and mass using practical and mathematical approaches. Select appropriate units and equipment and solve problems involving measurement.
Summer 2	**Number focus: Mathematics in Everyday Life**	Apply number knowledge, calculation skills and financial understanding in real-life situations. Recognise coins and notes, count money, convert pounds and pence, find change and solve practical mathematical problems.
	SSM focus: Data Handling	Collect, record, present and interpret data using tally charts, pictograms, block diagrams and bar charts. Compare information, answer questions and draw conclusions from data.