St Gabriel's Catholic Primary School – Maths Overview

Pre-School					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Number Rhymes	The Number 2	The Number 3	Measure (length)	The Number 4	Counting objects, linking numerals and amounts (Comparing)
Number Rhymes	The Number 2	The Number 3	Shape	The Number 4	Counting objects, linking numerals and amounts (Comparing)
Number Rhymes	Shape	Counting objects and cardinal principle	Shape	Positional language	Counting objects, linking numerals and amounts (Comparing)
The Number 1	Pattern	Counting objects and cardinal principle	Shape	The Number 5	Problem solving and Composition
The Number 1	Pattern	Counting objects and cardinal principle	Pattern	The Number 5	Problem solving and Composition
Positional language	Size	Linking numerals and amounts	Pattern	Measure (Weight)	Problem solving and Composition
Sequencing	Size			Shape	Assessment

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Reception					
Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Getting to know you (Baseline)	Number 4 and Shapes with 4 sides	Numbers above 5 (6, 7and 8)	Calculation- Addition	Sharing and grouping	Calculation- Subtraction
Match, Sort and Compare amounts	Number 5		Doubles	Even and Odd	
Positional language	One more and one less	Numbers 9 and 10	Shape and Measure- Length and height	Numbers to 20	Shape and Measure- Mass and capacity
Numbers 1, 2 and 3	Time		Number 10 and Number bonds		Shape and Measure- 3d shapes
	Number bonds to 5	More and less to 10		Shape and Measure- 2d shape and pattern	Calculation- Addition and subtraction (Revisit and problem solving)
Shape and measure: Circles and triangles	Shape and Measure- 2d shape revisit and pattern End of term Assessment	Calculation- Addition	End of term Assessment	Halving	Shape and Measure- Match , Rotate and Manipulate 2d and 3 shapes

Year 1

Ongoing Objectives (Also recap Reception learn its and teach Year 1 Learn its)
- Count to and across 120 forwards and backwards, beginning with 0 or 1, or from any given number.
- Count in multiples of twos, fives and tens.
- Identify one more and one less than a given number.

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Place Value (Within 10 then 20)	Measure (Length and height)	Place Value (Within 50)	Addition and Subtraction	Place Value (Within 100)	Addition and Subtraction
	Shape				Addition and Subtraction (Money problems)
	Fractions				Measures- Time
Addition and Subtraction	Position and direction	Fractions	Measure- Weight	Fractions	Measure - Capacity
			Shape		
		Time			Shape
Measures- Money	Multiplication	Position and direction	Division	Multiplication & Division	Position and direction
					Statistics
	Assessment		Assessment		Assessment

Cross curricular links

- Statistics - Block graphs (Class eye and hair colour)
- Days of the week/ months covered by daily calendar work.
- Statistics- Pictograms with a scale of 1.
- Tally charts linked to counting in fives.

Year 2					

Ongoing Objectives (Also recap Y1 learn its and teach Year 2 Learn its)
- Count forwards and backwards to and across 120, beginning with 0 or 1 or from any number.
- Count in steps of 2s, 5s, 3s and 10s forwards and backwards.
- Recall + and – facts to 10 (Learn its)
- Know x and ÷ facts for the 2, 5 and 10 times tables.

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Place value	Money	Place value	Addition and Subtraction	Place value	Measure – capacity
	Money and + and - problems		Addition and Subtraction (Money)	Addition and Subtraction	Fractions
	Measures- Length	Fractions	Measures- Weight	Multiplication and Division	Measures- Time
Place Value (Mental + and -)	Multiplication		Multiplication and Division	Revision	Shape
		Position and direction			Statistics- Pictograms
Addition and Subtraction	Shape	Measures- Time		SATS (Measure- Money and temperature)	Statistics- Tables
	Assessment	Shape	Statistics		
			Assessment		

Cross curricular links		
• Statistics: Venn and Carroll diagrams for sorting 2d shapes. Additional links to 'Animals' topic in Science.	• Fraction work, position and directions to be reinforced in PE and Computing topics.	• Pictograms linked to Science work • Temperature work linked to seasonal change and Geography topic work.

Year 3					
Ongoing Objectives • Count in 10s and 100s from any 3-digit number. • Count from 0 in multiples of 4, 8, 50, 100 • Derive doubles of multiples of 10 up to 100 and their corresponding halves. • Counting up and down in tenths.					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Number and Place Value	Mental Multiplication and division	Number and place Value	Multiplication and division	Number and Place value	Multiplication and Division (Problem solving)
	Statistics and Scales			Addition and subtraction (Problem solving)	
Mental addition and Subtraction	Fractions	Mental addition and subtraction	Fractions	Fractions (Solve problems)	Measure – time
Formal addition and subtraction. (Link to measure and money)	Measure- Length and Perimeter	Formal + and – (Linked to money)			Statistics – pictograms
	Shape		Shape	Shape	Statistics- One/two-step problems
	Measure- Time	Statistics	Measure - time		
Mental Multiplication and division	**Assessment**	Measure- Mass	**Assessment**	Measure - Capacity	**Assessment**
Cross curricular links					
• Science (Magnets and forces) links to measure, length and distance. Additional links to statistics.		• D and T (Shell structure) links to shape work • Science (Sound) links to measuring time.		• Geography (OS maps) links to scale work.	

Year 4					
Ongoing Objectives • Count in multiples of 6, 7, 9, 25 and 1, 000 • Recall times table facts up to 12x12 • Count backwards through zero to include negative numbers			• Multiply and divide by 10 and 100 • Read roman numerals to 100 • Double numbers to 100 • Count forwards in 1000s from any 3- or 4-digit number.		
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Number & Place Value	Shape and Measure (Links to length and perimeter)	Number & Place Value	Fractions	Number & Place Value	Fractions and Decimals
	Written Multiplication and division	Addition & Subtraction		Addition & Subtraction (1 and 2 step problems)	
Addition & Subtraction	Fractions	Shape and position (Angles and coordinates)	Decimals (Link to measure and money)	Multiplication & division	Position & direction
				Measure - perimeter & area	Measure - time
	Decimals (Link to measure and money)	Multiplication and division	Measure	Shape	Measure - money
Mental Multiplication and Division	Measures- Time		Statistics	Statistics	**Assessment**
	Assessment		**Assessment**		
Cross curricular links					
• Science links to measure and length. • Computing links to time and negative numbers.		• Computing links to shape and position. • Geography links to coordinates and grid references. • D and T links to shape and shell structure.		• Geography links (OS maps and compass skills) to directional language. • Computing links to shape and symmetry.	

Year 5

Ongoing Objectives
- Count forwards and backwards with positive and negative numbers through zero.
- Count forwards and backwards in steps of powers of 10.
- Read roman numerals to 1000
- Multiply and divide whole and decimal numbers by 10, 100, 1000
- Know key doubles and halves.

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Formal Addition and Subtraction	Fractions and Decimals (Link to measure, length)	Number & Place value	Shape	Number & Place value	Shape
Number & Place value		Addition & Subtraction	Position and direction (Coordinates/ translation)	Addition & Subtraction (Problem solving)	
	Shape- Perimeter and coordinates	Multiplication & division	Measure - time	Multiplication & division (Problem solving)	Measure – area/perimeter/volume
Mental +, - and x	Formal Multiplication and division	Fractions, Decimals and measure (Mass)		Fractions, Decimals and Percentages (Link to measure- Capacity)	Statistics
Fractions	Measure- Time		Measure – mass, length, capacity		Measure – time
	Measure - convert				
	Assessment	Statistics	Assessment		Assessment

Cross curricular links

- History timelines links to number lines and ordering numbers.
- D and T links to shape.
- Geography links to coordinates, directions and compass points.

- D and T links to measure and length.
- Science links to volume and measuring mass and length.

- Science links to statistics (Scales, graphs, tables, charts).

Year 6					

Ongoing Objectives
- Count forwards and backwards in steps of powers of 10.
- Know fraction and decimal equivalents of ½ ¼ $\frac{1}{3}$ $\frac{1}{8}$
- Read roman numerals to 1000
- Multiply and divide whole and decimal numbers (up to 3dp) by 10, 100 and 1000.

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Number and Place Value	Position & direction (Co-ordinates)	Number & Place Value	Ratio & proportion	**Revision**	Multiplication & Division
		Addition & Subtraction	Algebra	**Revision**	
Addition and Subtraction	Measure (perimeter/area/volume)	Multiplication & division	Statistics	**Revision and SATS WEEK**	Algebra
	Position & direction (angles)	Fractions	Shape		Statistics
Multiplication and Division	Measure - time	Decimals	Measure - convert	Place Value	Position & direction
	Assessment	Percentages	**Revision**	Addition and Subtraction	Measure – A,P,V
					Measure - Time

Cross curricular links		
• History timelines links to number lines and ordering numbers. • D and T links to perimeter/area and volume. • Geography links to coordinates, directions and compass points.	• Science links to statistics (Recording results using different graphs). • PE links to position and direction (OAA). • DT links to nets.	• Computing linking to algebra for excel formulas.