Holy Cross Catholic Primary School

Mathematics Curriculum Map 2024-25

WE CARE, WE SHARE, WE VALUE

	Autumn	Spring	Summer
Nursery	Number & place Value • Reciting numbers to 20 • Says number names to count objects, not necessarily in the right order • Begin to develop one to one correspondence and say one number name for each object. • Move or touch objects to count them (1-5) Addition & Subtraction • Explore ways that numbers 0-5 can be represented i.e. 4 and 1. Properties of shapes • Explore 2D shape and their attributes through play such as construction, puzzles, shape sorters. • Describes shapes using informal language such as 'fat' 'pointy' 'corners' 'straight' 'flat' 'round Position, Direction & Pattern • Understands and describes position 'in' 'on' 'under' • Understands and uses direction words 'up' 'down' 'across' Measures • Compare height identifying tallest and shortest • Begin to develop an understanding of time through lived experiences • Introduce visual timetable	Number & place Value • Reciting numbers to 20 • Knows that the last number reached when counting tells you how many there is in total. • Count out specific number of objects from larger group (110) • Knows number names initially to 5 then 10. • Subitise small amounts arranged in regular pattern Addition & Subtraction • Explore ways that numbers 0-5 can be represented i.e. 4 and 1. • More and less Properties of shapes • Name 2D shapes Describes shapes using informal language such as 'fat' 'pointy' 'corners' 'straight' 'flat' 'round' • Identify 2D shapes in the environment Position, Direction & Pattern • Recognise and talk about an AB pattern i.e. red block, blue block, red block, blue block. • Copy an AB pattern with range of features such as varying objects, size and orientation. Measures • Compare weight identifying heavier and lighter • Explore capacity • Develop understanding of time through growth and reflecting on past fist hand experiences – baby photos	Number & place Value • Uses language 'more than' 'fewer than' in real world situations. • Recognises amounts that have been rearranged, if nothing has been added or taken away, then the amount is the same. • Show 'finger numbers' up to 5 • Experiment with their own symbols and marks as well as numerals. Addition & Subtraction • Solve real world mathematical problems with numbers 0-5. Properties of shapes • Explore and begin to name 3D shape and their attributes through play such as construction, puzzles, shape sorters. • Name 2D shapes • Describes shapes using informal language such as 'fat' 'pointy' 'corners' 'straight' 'flat' 'round' Position, Direction & Pattern • Notice and correct an error in a repeating AB pattern Measures • Compare sizes identifying big, bigger, small, smaller • Find objects that are smaller than/bigger than a given object • Understand there is a sequence to their day
Reception	Number & place Value • Counts to 30, forwards and backwards. • Counts things that cannot be seen, touched or moved. • Can say number before or after a number, dropping back to one. Addition & Subtraction • Automatically recall number bonds for numbers 0-10 • Explore the composition of numbers to	Number & place Value • Introduce zero • Can stop and start counting in different places (forwards & backwards) • use the language of: equal to, more than, less than (fewer), most, least • Compare numbers i.e. 8 is a lot bigger than 2 but 3 is only a little bigger than 2. • Represent numbers using objects and marks.	Number & place Value • use the language of: equal to, more than, less than (fewer), most, least • Compare numbers i.e. 8 is a lot bigger than 2 but 3 is only a little bigger than 2. • Represent numbers using objects and marks. • Create marks to represent numerals (1-20) • Build numbers beyond 10 • Count patterns beyond 10

	Properties of shapes • Explore properties of shapes through play including: curveness, numbers of sides/corners (2D) or edge, faces and vertices (3D) • Name 2D shapes Position, Direction & Pattern • Understands and describes position 'in front' 'behind' • Understands and uses direction words 'forwards' 'backwards' 'left & right' Measures • Compare size, mass and capacity • Develop understanding of time		• Create marks to represent numerals (1-10) Addition & Subtraction • Combining two amounts • read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs • Record different ways a number can be partitioned (into 2 groups or more) • Introduce number bonds to 10 Properties of shapes • Describe 2D shapes • recognise and names some common 3-D shapes. Position, Direction & Pattern • Recognise, talk about and continue an AB pattern then a more complex pattern such as ABC, ABB, ABBC, AABB. • Notice and correct an error in a complex repeating pattern • describe the position of an object • Use common shapes to create patterns and build models Measures • Length and height • order two or three items by length and height • Time (2) • Money		• Count in 2s,5s and 10s • identity even and odd numbers Addition & Subtraction • Adding more and taking away • Record different ways a number can be partitioned (into 2 groups or more) • Compose and decompose Doubling & halving and sharing • solve additions and subtractions involving 1 digit numbers, using concrete objects and pictorial representations to support Position, Direction & Pattern • Create AB pattern then a more complex pattern such as ABC, ABB, ABBC, AABB. • Notice and correct an error in a complex repeating pattern • Match, rotate, manipulate • describe the position of an object Measures • Compare weight and identify heavy, heavier, heaviest, light, lighter, lightest • Identify that size and weight do not always correspond to heaviest and lightest • order two items by weigh or capacity • Understand the difference between weight and capacity • Money	
Year 1	Place Value within 10	Addition and Subtraction within 10 Geometry - Shape	Place Value within 20 Addition and Subtraction within 20	Place Value within 50 Length and Height Mass and Volume	Multiplication and Division Fractions Position and Direction	Place Value within 100 Money Time

Year 2	Place Value Addition and Subtraction	Addition and Subtraction (cont.) Geometry - Shape	Money Multiplication and Division	Length and Height Mass, Capacity and temperature	Fractions Time	Statistics Position and Direction
Year 3	Place Value Addition and Subtraction	Addition and Subtraction (cont) Multiplication and Division A	Multiplication and Division B Length and Perimeter	Fractions A Mass and Capacity	Fractions B Money Time	Shape Statistics
Year 4	Place Value Addition and Subtraction	Area Multiplication and Division A	Multiplication and Division B Length and Perimeter	Fractions Decimals A	Decimals B Money Time	Shape Statistics Position and Direction
Year 5	Place Value Addition and Subtraction	Multiplication and Division A Fractions A	Multiplication and Division B Fractions B	Decimals and Percentages Perimeter and Area Statistics	Shape Position and Direction Decimals	Negative Numbers Converting Units Volume
Year 6	Place Value Addition, Subtraction, Multiplication and Division	Fractions A Fractions B Converting Units	Ratio Algebra Decimals	Fractions, Decimals and Percentages Area, perimeter and volume Statistics	Shape Position and Direction	Themed Projects, Consolidation and Problem Solving