Crosby Primary School
Maths Long Term Plan Overview 2023

	Au 1	Au 2	Sp 1	Sp 2	Su 1	Su 2
F1	**Routines and Resources** **Colours (2 weeks)** **Match (2 weeks)** **Sorting (2 weeks)** Colour, Size, Shape	**Number 1 (1 week)** Subitising, Counting, Numeral **Number 2 (2 weeks)** Subitising, Numeral **Pattern (2 weeks)** AB patterns **Consolidation**	**Number 3 (2 weeks)** Subitising, Three Little Pigs 1:1 counting, Numerals, Triangles **Number 4 (2 weeks)** 1:1 counting, Numerals Squares, Rectangles Composition of 4 **Number 5 (2 weeks)** 1:1 counting, Numerals, Pentagons, Composition of 5	**Consolidation (1 week)** 1-5 **Number 6 (1 week)** Ten Frames **Length and Height (1 week)** Tall/long and short **Mass (1 week)** Relate to books **Capacity (1 week)** **Consolidation (1 week)**	**Sequencing (1 week)** **Positional Language (1 week)** **More than/fewer than (2 weeks)** **Shape 2D/Shape 3D (2 weeks)**	**Number Composition 1-5 (1 week)** **What comes after? (1 week)** **What comes before? (1 week)** **Numbers to 5 (1 week)** **Consolidation (2 weeks)**
F2	**Getting to know you (1 week)** Routines and Resources **Match, Sort and Compare (2 weeks)** Match pictures and objects Identify sets and sort objects Explore sorting techniques/rules Compare amounts **Talk about measures and patterns (2 weeks)** Compare size, mass, capacity Explore simple patterns Copy and continue/create simple patterns	**It's me 1,2,3 (2 weeks)** Find/subitise/represent 1,2,3 1 more, 1 less Composition of 1,2,3 **Circles and triangles (1 week)** Identify, name, compare Shapes in the environment Describe position **1,2,3,4,5 (2 weeks)** Find/subitise/represent 4 and 5 1 more, 1 less Composition of 4 and 5, revise 1-5 **Shapes with 4 sides (1 week)** Identify, name, combine shapes Shapes in the environment Night and Day (Time)	**Alive Five! (2 weeks)** Zero, Four, Five Comparing/composition of 4 5 **Mass and Capacity (1 week)** Compare mass and capacity **Growing 6 7 8 (2 weeks)** 6, 7, 8 Make pairs, Combine groups	**Length, Height and Time (2 weeks)** Length and Height Time **Building 9 and 10 (3 weeks)** 9, 10 Comparing to 10, Bonds to 10 Compare **Explore 3D shapes (2 weeks)** 3D shapes Patterns	**To 20 and beyond (2 weeks)** Building Numbers beyond 10 Counting patterns beyond 10 Verbal counting beyond 20 Verbal counting patterns **How many now? (First Then Now) (1 week)** Adding More Taking away **Manipulate, Compose and Decompose (2 weeks)** Select shapes for a purpose Rotate/manipulate shapes Explain shape arrangements Compose/decompose shapes Copy 2D shapes pictures Find 2D shapes within 3D shapes	**Sharing and Grouping (2 weeks)** Sharing and Grouping Even and odd Doubles **Visualise, Build and Map (3 weeks)** Repeating patterns Explore/Create own pattern rules Replicate and build scenes and constructions Visualise from different positions Describe positions **Make connections (1 week)** Deepen understanding Patterns and relationships
Year 1	**Numbers to 10 (5 weeks)** Sort, Count and compare	**Addition and Subtraction within 10 (5 weeks):** Part-whole model Number bonds within 10s Fact families **Shape (2 weeks):** Name, sort 3D and 2D shapes. and patterns.	**Place Value to 20 (3 weeks):** Count and compare Number lines **Addition and Subtraction to 20 (3 weeks):** Add and Subtract ones Bonds to 20 Doubles/Near Doubles	**Place Value (2 weeks):** Numbers to 50 Count and Compare within 50 Tens and Ones **Measure – Length and Height (2 weeks):** Compare and measure length/height using objects and cm **Measure - Mass and volume (2 weeks):** Compare and measure mass/volume/capacity	**Multiplication and Division (3 weeks):** Count in 2s/10s/5s Equal Groups,Arrays,Doubles Equal groups – grouping/sharing **Fractions (3 weeks):** Recognise/find a half of object/shape/quantity Recognise/find a quarter of object/shape/quantity **Position and Direction (1 week):** Describe turns Describe position – left/right, forwards/backwards, above/below Ordinal numbers	**Number: Place Value (2 weeks)** Counting to 100/Tens to 100 Partition tens/ones, Number line 1 more/less Compare – same tens/any number to 100 **Measure: Money (2 weeks):** Unitising,Recognise coins/notes Count in coins **Measure: Time (2 weeks):** Before/after Dates – Days, months, hours, minutes, seconds Time to the hour/half hour
Year 2	**Number and Place Value (4 weeks):** Read and Write/Represent numbers to 100 Tens and Ones (Part-Whole Model) Count in 2s 5s 10s Count in 3s	**Addition and Subtraction (6 weeks):** Fact families/bonds to 20 Bonds to 100 (tens) Add and subtract 1s 10 more and less; Add and subtract tens 2d and 1d - crossing tens Add/subtract two 2d numbers Mixed addition/subtraction Compare number sentences Missing number sentences **Properties of Shape (3 weeks):** Lines of symmetry Sorting, Patterns Faces, edges, vertices	**Money (2 weeks):** Count and select money – pence/pounds. Calculate with money – total/change, make a pound. Problems. **Multiplication and Division (5 weeks):** Make and add equal groups Arrays, x symbol 2/5/10 times tables Sharing/grouping Doubling and Halving Odd and even numbers Divide by 2, 5 and 10	**Measure – Length and Height (2 weeks):** Measure in cm/m Compare and order (cm/m) Four operations **Measure – Mass, Capacity and Temperature (3 weeks):** Compare and measure mass g/kg Four operations with mass Add and subtract mass Measure and compare volume and capacity (ml/l) Four operations with capacity and volume Temperature	**Fractions (4 weeks):** Parts and wholes Equal/unequal parts Recognise/find Half, quarter, third Unit fractions Non-unit fractions Equivalence of ½ and 2/4 Recognise/find ¾ Count in fractions to a whole **Time (3 weeks):** O'clock and half past Quarter past and quarter to Tell time past/to, Time to 5 mins Minutes and hours/Hours and Days	**Statistics (2 weeks):** Tally charts Tables Block diagrams Draw/interpret Pictograms **Position and Direction (2 weeks):** Language of position Describe movement, turns Shape patterns with turns **Problem Solving** **Consolidation**

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Year 3	**Number and Place Value (3 weeks):** Numbers to 1000 – read, write, compare Count in 50s **Addition and Subtraction (5 weeks):** Add and Subtract multiples of 100 Add and subtract to 3 digits – mental strategies. Written methods to 3 digit numbers	**Multiplication and Division (5 weeks):** The 3/4/8 times table	**Multiplication and Division (3 weeks):** Multiples of 10 and related calculations Multiply 2digits by 1digit Divide 2 digits by 1 digit (including remainders) Scaling **Length and Perimeter (3 weeks):** Measure, Compare, add, subtract lengths m, cm, mm Equivalent lengths m and cm/ cm and mm Measure/calculate perimeter	**Fractions (3 weeks):** Unit and non-unit fractions, Understand the whole Compare/order fractions, Scales and number lines Equivalent fractions **Measure – Mass and Capacity (3 weeks):** Scales, Measure and compare mass g/kg Equivalent masses, Add and subtract mass Measure/compare volume and capacity (ml/l) Equivalent Capacities and volume Add and subtract capacity and volume	**Fractions (3 weeks):** Add/subtract tenths Partition Unit/non-unit Fractions of a set of objects Reasoning with fractions of an amount **Money (2 weeks):** Pounds and pence/Converting Pounds and Pence Adding/Subtracting Money Find Change	**Time (3 weeks):** Roman Numerals to 12, Time to 5 mins/one min Digital clock/AM and PM Years, Months, Days, Hours, Duration Time in minutes and seconds Units of time/problem solving **Properties of Shape (2 weeks):** Turns and angles/Right angles, Compare/draw Horizontal, Vertical, Parallel, perpendicular lines Recognise/describe/construct 2d/3d shapes **Statistics (2 weeks):** Pictograms, Bar Charts, Tables – interpret and draw
Year 4	**Number and Place Value (4 weeks):** Round to nearest 10/100/1000 Count in 1000s 4 digit numbers – compare/order 1000 more/less Count in 25 **Addition and Subtraction (3 weeks):** Add and Subtract 4 digits Written methods	**Multiplication and Division (4 weeks):** Multiply/Divide by 10/100 Multiply by 0 and 1 Divide by 1 and itself 6/9/7 times table and division facts 11 and 12 times table Multiply by 0 and 1 Divide by 1 and itself Multiply 3 numbers **Area (2 week):** Counting squares Making shapes Comparing area	**Multiplication and Division (3 weeks)** Factor pairs Multiply and Divide by 10, 100 Related facts Written methods to 3d by 1d Correspondence problems Efficient methods **Length and Perimeter (2 weeks):** Kilometres and equivalence of km/m Perimeter on a grid Perimeter of a rectangle/rectilinear shapes Missing lengths Perimeter of regular polygons Perimeter of polygons	**Fractions (4 weeks):** Understand the whole Count beyond 1. Partition mixed numbers Compare and order mixed numbers Understand improper fractions Convert mixed numbers to improper fractions and vice versa Equivalent fractions – number lines and families Add 2 or more fractions, same denominator Add fractions and mixed numbers Subtract 2 fractions, same denominator Subtract from whole amounts **Decimals (3 weeks):** Tenths and hundredths Divide 1 and 2 digits by 10/100	**Decimals (2 weeks):** Make whole with tenths/hundredths Partition to 2dp Compare/order decimals 2dp Round decimals 1dp to whole Halves and Quarters **Money (2 weeks):** Write using decimals Pounds and Pence Compare and estimate money Four operations Solve problems **Time (2 weeks):** Years, months, weeks and days Hour, minutes and seconds Analogue to digital – 12h/24h	**Number (1 week):** Roman Numerals to 100 **Geometry: Properties of Shapes (2 weeks):** Angles as turns Identify angles Triangles, Quadrilaterals, Polygons Lines of symmetry Complete symmetrical figures **Statistics (2 weeks):** Interpret Charts Comparison, sum and difference Line graphs **Geometry: Position and Direction (2 weeks):** Co-ordinates first quadrant – describe/plot Draw shapes on a grid Translation on a grid/describe
Year 5	**Number: Place Value (3 weeks):** 6 digit numbers Count fwd/bwd in 10s 100s 1000s 10000s **Addition and Subtraction (3 weeks):** Column methods to 6 digits Multi-step problems Problems (using measures) Multi-step problems	**Number and place Value (1 week):** Negative Numbers **Multiplication and Division (3 weeks):** Multiples, Factor, Common factors Square/Cube/Prime Numbers Multiply/Divide by Powers of 10 **Fractions (4 weeks):** Equivalence, compare/order Improper fractions and mixed numbers Add and Subtract – denominator is multiple of same number Add and Subtract Mixed Numbers	**Roman Numerals (1 week):** Recognise numbers to 1000 Read years **Multiplication and Division (2 week):** Written multiplication methods (4d by 1d) Short division (4d by 1d) Short Division with remainders in context Problems **Fractions (2 weeks):** Multiply Fractions by integer – unit and non-unit. Multiply Mixed Numbers by Integer Calculate fraction of a quantity Fraction of an amount Find the whole Fractions as operators **Perimeter (1 week):** Perimeter of rectangles, rectilinear shapes and polygons	**Decimals (2 weeks):** Decimals up to 2 decimal places Equivalent fractions and decimals – tenths/hundredths Equivalent fractions and decimals – fifths, quarters, tenths, halves Thousandths – decimal and fraction Read, Write, Order and Compare to 3dp Round decimals (3dp) to nearest whole/1dp **Percentages (1 week):** Understand percentages - % symbol Percentages as fractions and decimals Equivalent fractions, decimals and percentages **Area (1 week):** Area of rectangles and compound shapes Estimate Area of irregular shapes **Statistics (2 weeks):** Draw, Read and Interpret Line Graphs Read and interpret tables Two-way tables Read and interpret timetables	**Angles and Shapes (3 weeks):** Degrees Classify angles Estimate angles Measure/draw lines/angles Angles at a point/straight line Lengths and angle sin shapes Regular and irregular polygons (link to angles) Properties of 3d shapes **Translation and Reflection (2 week):** Co-ordinates – read/plot/problems Translation Translation using co-ordinates Lines of symmetry Reflection of 2d shapes **Negative Numbers (1 week):** Counting on/back through zero Order/compare. Add/subtract/find the difference	**Decimals (3 weeks):** Add and Subtract within 1 Complements to 1 Add and subtract across 1 Add/subtract same number of decimal places Add/subtract with different decimal places Efficient strategies for add/subtract Sequences Multiply by Powers of 10 and Divide **Measures (2 week):** Kg/km Mm/ml Convert units of length, Imperial/metric equivalence Convert units of time Timetables **Volume (1 week):** Cubic cm Compare/estimate volume and capacity **Multiplication and Division (1 week):** Long Multiplication Problems including measures
Year 6	**Place Value to 10,000,000 (2 weeks):** Numbers to 10 million **Four operations (5 week):** Addition Subtraction Multi-step problems Common Multiples, Factors and Prime Numbers Rules of Divisibility Square and Cube Numbers Short/long multiplication/division Interpret remainders Order of Operations Mental calculations Known Facts	**Fractions (4 weeks):** Equivalence Simplify fractions, compare/order Mixed and Improper fractions Add and subtract - different denominators, mixed numbers Multiply/Divide **Decimals (2 weeks):** Place Value to 3dp Rounding Add and Subtract Multiply/divide by 10, 100, 1000 Multiply/Divide decimals by integers Solve problems **Negative Numbers (1 week):** Add/subtract/compare/order. Use negative numbers in context.	**Percentages (2 weeks):** Decimal and Fraction equivalents Fractions as division Understand percentages Equivalent FDP Order FDP % of amounts – one step and multi-step **Measurement (1 week):** Metric measures and conversions Calculations Miles and km Imperial measures **Volume, Area and Perimeter (2 weeks):** Area and Perimeter - Use formulae Calculate area of triangles and parallelograms Volume of cubes and cuboids **Number (1 week):** Revise Roman Numerals	**Properties of Shapes (3 weeks):** Calculate angles Vertically opposite angles Angles in triangles/ quadrilaterals/polygons Missing angles Recognise, describe and build 3d shapes including nets Parts of circles – radius, diameter, circumference **Geometry: Position and Direction (1 week):** Co-ordinates first/four quadrants Translation Reflection **Statistics (2 week):** Line Graphs Dual Bar Charts Read and interpret pie charts Pie Charts and Percentages Calculate the mean	**Ratio (3 weeks):** Ratio language and symbol Links with fractions Scale factors Solve equations **Algebra (3 weeks):** Find a rule – one step/two step Use simple formulae Generate and describe linear number sequences **Revision**	**Post SATS Project Work –** **Transition Unit/Investigations** **Problem Solving**