

Crosby Primary School

Year 5 Maths Long Term Plan



<i>Time</i>	<i>Unit 1</i>	<i>Unit 2</i>	<i>Unit 3</i>	<i>Unit 4</i>
Autumn	Numbers (3 weeks): Numbers to 10000/Numbers to 100000/Numbers to 1000000 Read/Write 5/6 digits Powers of 10 10/100/1000/10000/100000 More/less Partition/Recombine Number line Order/Compare 5 digits/ Compare/order 6 digits Round to nearest 10, 100, 1000 Rounding within 100,000/Round within 1000000	Addition and Subtraction (3 weeks): Mental strategies Column addition 5/6 digits Column subtraction 5/6 digits Use rounding to check Use inverse to check answers Multi-step problems Compare calculations Missing numbers	Multiplication and Division (3 weeks): Multiples/Common Multiples Factors/Common factors of 2 numbers Prime Numbers Square Numbers Cube Numbers Multiply by 10, 1000, 1000 Divide by 10, 1000, 1000 Multiples of 10, 100, 1000	Fractions (4 weeks): Find equivalent fractions – unit/non-unit Improper fractions and mixed numbers - convert Compare/order – less than 1/greater than 1 Add and Subtract – same denominator Add fractions total within 1/greater than 1 Add mixed numbers Subtract fractions including from mixed numbers (including breaking the whole) Subtract two mixed numbers
Spring A	Roman Numerals (1 week): Recognise numbers to 1000 Read years	Multiplication and Division (3 week): Written multiplication methods (4d by 1d) Written methods with exchange Multiplication problems using measures Written division methods (4d by 1d) – short division Division problems using measures Short Division including remainders Short Division with remainders in context Efficient Division. Division problems Multiplication and Division 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 Perimeter of rectilinear shapes Perimeter of polygons
Spring B	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 - recognise % symbol Percentages as fractions Percentages as decimals Equivalent fractions, decimals and percentages	Area (1 week): Area of rectangles Calculate area of compound shapes Estimate Area of irregular shapes	Statistics (2 weeks): Draw line graphs Read and Interpret Line Graphs Read and interpret tables Two-way tables Read and interpret timetables
Summer A	Angles and Shapes (3 weeks): Understand and use degrees Classify angles – acute, obtuse, reflex Estimate angles Measure angles using a protractor Draw lines/angles using a protractor Calculate angles at a point and at a point on a straight line (missing angles) Lengths and angles in shapes Regular and irregular polygons (link to angles) Properties of 3d shapes	Translation and Reflection (2 week): Read/plot co-ordinates Problem solving with co-ordinates Translation of 2d shapes Translation with co-ordinates Lines of symmetry Reflection in horizontal and vertical lines	Negative Numbers (1 week): Understand negative numbers Counting on/back through zero. In 1s/multiples Order/compare. Add/subtract/find the difference	
Summer B	Decimals (3 weeks): Use known facts to add and subtract within 1 Complements to 1 Add and subtract decimals across 1 Add/subtract with the same number of decimal places Add and Subtract with different number of decimal places Efficient strategies for add/subtract decimals Decimal sequences Multiply/Divide by 10, 100, 1000	Measures (2 week): Kilograms/kilometres Millimetres and millilitres Convert units of length Convert metric/imperial Convert units of time Calculate with timetables	Volume (1 week): What is volume? Cubic cm Compare volume Estimate volume Estimate capacity	Multiplication (1 weeks): Long Multiplication – expanded written method (4d by 2d) Word problems including measures

