Time Zone Maths Long Term Plan 2023-24

|  | Week 1 Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 | Week 14 |
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| Autumn Year 5 | Place Value <br> Read, write, order and compare numbers to 10,000, 100,000, 1,000,000. Powers of 10. 10/100/1,000/10,000/100,000 more or less. Partition numbers to $1,000,000$. Round to the nearest 10, 100, 1,000. Round within 100,000 . Round within 1,000,000. Negative numbers. Roman numerals to 1,000 . |  | Additi Subtr <br> Mental strat whole number than four dig addition). Sub numbers with four digits (colu subtraction). check answer inverse opera Multi-step ad subtraction p Compare calc missing numb | and action gies. Add with more is column tract whole more than Rumn Round to Use ions. dition and oblems. lations. Find rs. | Multiplication and Division <br> Multiples. Common multiples. Factors. Common factors. Prime, square and cube numbers. Multiply by 10, 100, 1,000 . Divide by $10,100,1,000$. Multiples of 10,100 , 1,000. <br> Multiply 4 digit numbers by 1 digit numbers (short $\dagger$ multiplication). Multiply 2 numbers (grid method). Multiply 2, 3, 4 digit numbers by 2 digit numbers (long multiplication). Solve multiplication problems. Divide 4 digit numbers by 1 digit numbers (short division). Divide with remainders. Efficient division. Solve problems with multiplication and division. |  |  |  | Fractions <br> Find fractions equivalent to a unit fraction. Find fractions equivalent to a non-unit fraction. Recognise equivalent fractions. Convert improper fractions to mixed numbers. Convert mixed numbers to improper fractions. Compare and order fractions less than 1. Compare and order fractions greater than 1. Add and subtract fractions with the same denominator. Add fractions with different denominators within 1 and with a total of more than 1. Add fractions to a mixed number. Add two mixed numbers. Subtract fractions with different denominators. Subtract from a mixed number. Subtract from a mixed number, breaking the whole. Subtract two mixed numbers. |  |  |  | Assess- <br> ment <br> and <br> Consoli- <br> dation |
| Autumn Year 6 | Place Value <br> Read, write, order and compare numbers to 1.000.000, 10,000,000. Powers of 10. Round any integer. Negative numbers. Revise Roman numerals. | Eour Operations: Addition. Subtraction. Multiplication. Division <br> Add and subtract integers (column addition and subtraction). Solve problems with addition and subtraction. Common factors. Common multiples. Rules of divisibility. Primes to 100, Square and cube numbers. Multiply 4 or more digit numbers by 2 digit numbers (long multiplication). Solve problems with multiplication. Short division. Division using factors. Long division. Long division with remainders. Solve problems with division. Solve multi-step problems. Order of operations. Mental calculations and estimation. Reason from known facts. |  |  |  |  |  | Eractions <br> Equivalent fractions and simplifying. Compare and order using denominator/numerator. Add and subtract fractions with denominators which are/are not multiples of each other. Add and subtract mixed numbers. Solve multi-step problems. Multiply fractions by integers. Multiply fractions by fractions. Divide fractions by integers. Mixed problem solving. Finding a fraction of an amount. Find the whole. |  |  |  |  | Assess- <br> ment <br> and <br> Consoli- <br> dation |
| Spring <br> Year 5 | Fractions <br> Multiply fractions by integers. Multiply non-unit fractions by integers. Multiply mixed numbers by integers. Finding a fraction of an amount. Find the whole. Using fractions as operators. Fraction problems solving. | Fractions, Decimals and Percentages <br> Decimals to 2 decimal places. Equivalent fractions as decimals (tenths and hundredths). Thousandths as fractions. Thousandths as decimals. Thousandths on a place value chart. Ordering and comparing decimals to 3 d.p.. Rounding decimals to the nearest whole number. Round to 1 d.p. <br> Adding and subtracting decimals within 1. Complements to 1. Adding and subtracting decimals greater than 1. Adding and subtracting decimals with the same and different numbers of decimal places. Efficient calculation strategies. Multiplying and dividing decimals by $10,100,1,000$. Decimals problem solving - missing values. Understanding percentages. Percentages as decimals and fractions. Equivalent fractions, decimals and percentages. |  |  | Kilogram kilometr Milligram millimetr Convertin length. between Imperial Convertin time. So problem timetable | rement: <br> erting nits <br> and <br> s. <br> and <br> s. <br> units of <br> onvert <br> metric and <br> units. <br> units of <br> ving <br> with <br> s. | Measu <br> Area. P <br> Vo <br> Perimeter of Perimeter o shapes. Peri polygons. <br> Area of rect of compound Estimate area Cubic centim Compare volu volume. Esti | ement: <br> rimeter. <br> me <br> rectangles. rectilinear eter of <br> ngles. Area hapes. <br> tres. <br> e. Estimate ate capacity. | Geomet-ry : <br> Position and <br> Direction Read and plot coordinates in the first quadrant. <br> Solve <br> coordinate <br> problems. <br> Translation. <br> Translation with <br> co-ordinates. Reflection. <br> Assess-men t | Geomet-ry - <br> Propert-ie s of <br> Shapes <br> Understand and use degrees. Classify angles. <br> Estimate angles. Measure angles up to $180^{\circ}$. Draw lines and angles accurately. |  |  |  |



