Year 5 & 6 long term maths plan – 2024/25

<table>
<tr><td>WEEK</td><td colspan="2">1</td><td colspan="2">2</td><td colspan="2">3</td><td colspan="2">4</td><td colspan="2">5</td><td colspan="2">6</td><td>7</td><td>8</td><td colspan="2">9</td><td colspan="2">10</td><td colspan="2">11</td><td colspan="2">12</td><td colspan="2">13</td><td colspan="2">14</td><td>15</td></tr>
<tr><td rowspan="2">Aut</td><td colspan="8">Year 5<br>Place value within 100,00 & 1,000,000 (inc roman numerals, rounding, solving problems & negative numbers)</td><td colspan="4">Year 5<br>Addition and subtraction<br>(with numbers more than 4 digits, mental calculations, rounding & problem solving)</td><td rowspan="2"></td><td colspan="6">Year 5<br>Multiplication and division<br>(inc factors, multiples, prime and composite numbers, Square and cube numbers, scaling simple fractions, multiplying and dividing by 10, 100 & 1000)</td><td colspan="4">Year 5<br>Multiplication and division<br>(Using formal written methods & using known facts to do calculations mentally)</td><td>Review & Consolidate</td></tr>
<tr><td colspan="3">Year 6<br>Place value within 10,000,000 comparing & ordering, rounding and negative numbers</td><td colspan="9">Year 6<br>Four operations<br>Problem solving, using written methods of addition & subtraction, multiplying numbers up to 4 digits by 1 & 2 digit numbers, dividing numbers up to 4 digits by a 2 digit number, common factors, common multiples, squares and cubes, brackets, mental calculations and reasoning from known facts.</td><td colspan="8">Year 6<br>Fractions<br>Simplifying, comparing and ordering, adding and subtracting with mixed numbers and different denominators, multiplying a fraction by a whole number, multiplying a fraction by a fraction, dividing a fraction by a whole number, four rules with fractions, problem solving and reasoning with fractions.</td><td colspan="3">Review & Consolidate</td></tr>
<tr><td rowspan="2">Spri</td><td colspan="3">Year 5<br>Measure – area and perimeter (inc composite & rectilinear shapes and estimating the area of irregular shapes.</td><td colspan="3">Year 5<br>Fractions<br>(inc equivalent fractions, comparing & ordering, recognising mixed numbers and improper fractions and converting, adding & subtracting decimals</td><td colspan="4">Year 5<br>Fractions, decimals & percentages<br>Review & consolidate<br>(inc multiplying proper fractions & mixed numbers, read, write , order & compare numbers with up to three decimal places & as a fraction, recognise hundredths and relate them to tenths, hundredths and decimal equivalents, round decimals with two decimal places, recognise % symbol and solve problems</td><td rowspan="2"></td><td colspan="5">Year 5<br>Fractions, decimals & percentages<br>Review & consolidate<br>(inc multiplying proper fractions & mixed numbers, read, write, order & compare numbers with up to three decimal places & as a fraction, recognise hundredths and relate them to tenths, hundredths and decimal equivalents, round decimals with two decimal places, recognise % symbol and solve problems</td><td colspan="5">Year 5<br>Decimals<br>solve problems involving numbers up to three decimal places, read, write, order & compare numbers with up to three decimal places & recongise and use hundredths and relate them to tenths, hundredths and thousandths.</td><td colspan="3" rowspan="2"></td></tr>
<tr><td colspan="6">Year 6<br>Decimals & Percentages<br>Multiplying and dividing decimals, decimals as fractions, equivalent decimals, fractions and percentages, converting fractions to percentages, problem solving</td><td colspan="3">Year 6<br>Ratio & Proportion<br>Solve problems involving unequal sharing and</td><td colspan="5">Year 6<br>Measures- Imperial & Metric<br>Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of</td><td colspan="5">Year 6<br>Measures – Perimeter, area & volume<br>Recognise that shapes with the same areas can have different perimeters and vice versa, recognise when it is possible to use formulae for area and</td></tr>
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| | | | grouping using knowledge of fractions and multiples, Solve problems involving similar shapes where the scale factor is known or can be found | | measure to a larger unit, and vice versa, using decimal notation to up to three decimal places, Convert between miles and kilometres | volume of shapes, calculate the area of parallelograms and triangles and calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm3) and cubic metres (m3), and extending to other units [for example, mm3 and km3 | |
| **Sum** | **Year 5**<br>**Geometry – properties of shape**<br>Measuring angles in degrees, measuring with a protractor, drawing lines and angles accurately, calculating angles on a straight line & around a point, calculating angles in shapes, recognising & drawing perpendicular lines, reasoning about 3D shapes | **Year 5**<br>**Geometry**<br>position & direction<br>Reflection, translation | **Year 5**<br>**Measurement** Metric units, imperial units of length, mass & capacity, converting units of time, Volume and estimating capacity | | **Year 5**<br>**Measure**<br>metric measures, converting and problem solving, miles & Km, | **Year 5**<br>**Statistics – Graphs & Tables**<br>Complete, read and interpret information in tables, including timetables and Solve comparison, sum and difference problems using information presented in a line graph | **Review & Consolidate** | |
| | **Year 6**<br>**Geometry – Properties of shape**<br>Measuring with a protractor, Angles in triangles, angles in polygons, recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles, Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius and recognise, describe and build simple 3-D shapes, including making nets | **Year 6**<br>**Algebra**<br>Finding a rule, solving equations, using simple formulae and expressing missing number problems algebraically | **Year 6**<br>**Statistics**<br>Calculate and interpret the mean as an average, working with pie charts, interpreting and constructing line graphs. | | **Year 6**<br>**Review and consolidate areas of the curriculum not covered or need further input** | | | |