## Year 5 Curriculum Map - Maths



| Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths. | 5F-1 recognise, find and write fractions of a discrete set of objects; unit and non-unit fractions of larger denominators. |  |
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| Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number. | Recognise, find and write fractions of a discrete set of objects; unit and non-unit fractions of larger denominators. |  |
| Compare and order fractions whose denominators are all multiples of the same number. | Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths. |  |
| Add and subtract fractions with the same denominator and denominators that are multiples of the same number | Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. |  |
| Count up and down in tenths and hundredths and understand the effects of dividing by 10 and 100 . |  |  |
| 5F-2 Find equivalent fractions and understand that they have the same value and the same position in the linear number system |  |  |
| 5NF-2 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 1 tenth or 1 hundredth). |  |  |
| Decimals and Percentages - Solving problems involving numbers up to three decimal places. |  |  |
|  | Recognise the per cent symbol (\%) and understand that per cent relates to "number of parts per hundred", and write percentages as a fraction with denominator hundred, and as a decimal fraction. |  |
|  | 5F-3 Recall decimal fraction equivalents for $1 / 2,1 / 4,1 / 5$ and $1 / 10$, and for multiples of these proper fractions. |  |
|  | Read and write decimal numbers as fractions [for example, $0.71=71 / 100]$. |  |
|  | Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. |  |
|  | Round decimals with two decimal places to the nearest whole number and to one decimal place. |  |
|  | Read, write, order and compare numbers with up to three decimal places. |  |
|  | Solve problems which require knowing percentage and decimal equivalents of $1 / 2,14,3 / 4$, fifths and those with a denominator of a multiple of 10 or 25 . |  |
|  |  | Geometry - Properties of Shape $\quad$ Geometry - Position and Direction |
|  |  | SG-1 Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles. |
|  |  | $5 \mathrm{G}-1 \mathrm{Draw}$ given angles and measure them in degrees. |
|  |  | Identify: <br> - angles at a point and one whole turn (total 3600) <br> - angles at a point on a straight line and $1 / 2$ a turn (total 1800) <br> - other multiples of 900 |
|  |  | Use the properties of rectangles to deduce elated facts and find missing lengths and angles. |
|  |  | Draw quadrilaterals and triangles using given dimensions and angles. |
|  |  | Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. |
|  |  | Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed. |
|  |  | Complete a simple symmetric figure with respect to a specific line of symmetry, including diagonal mirror lines. |
|  |  | Identify 3D shapes, including cubes and other cuboids from 2 D representations. |
|  | Measurement - Using all four operations to solve problems involving measure scaling. | [for example, length, mass, volume, money] using decimal notation, including |
|  | 5G-2Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres. | Convert between different units of metric measure (Grams, Kilograms, Tonnes). |
|  | 5G-2Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres $\left(\mathrm{cm}^{2}\right)$ and square metres $\left(\mathrm{m}^{2}\right)$ and estimate the area of irregular shapes. | Convert between different units of metric measure (kilometre and metre; centimetre and metre; centimetre and millimetre). |
|  |  | Understand and use approximate equivalences between metric units and common imperial units such as inches, feet and miles. |
|  |  | Understand and use approximate equivalences between metric units and common imperial units such as stones, pounds and ounces. |
|  |  | Estimate volume [for example, using $1 \mathrm{~cm}^{3}$ blocks to build cuboids (including cubes)] and capacity [for example, using water.]. |
|  |  | Understand and use approximate equivalences between metric units and common imperial units such as fluid ounces, pints and gallons. |



