



## Maths Medium Term Planning

Year Group: Six

Term: Spring 2022

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<p><b>Geometry – Position and direction</b></p> <p><i>Describe positions on the full coordinate grid (all four quadrants)</i></p> <p><i>Draw and translate simple shapes on the coordinate plane, and reflect them in the axes</i></p> <p><b>Number – Decimals</b></p> <p>Identify the value of each digit in numbers given to 3 decimal places and multiply numbers by 10, 100 and 1000 giving answers up to 3 decimal places</p> <p>Multiply 1-digit numbers with up to 2 decimal places by whole numbers</p> <p>Use written division methods in cases where the answer has up to 2 decimal places</p> <p>Solve problems which require answers to be rounded to specified degrees of accuracy</p>	<p><b>Number – Percentages</b></p> <p>Solve problems involving the calculation of percentages (for example, of measures and such as 15% of 360) and the use of percentages for comparison</p> <p>Recall and use equivalences between simple fractions, decimals and percentages including different contexts</p>	<p><b>Number – Algebra</b></p> <p>Use simple formulae</p> <p>Generate and describe linear number sequences</p> <p>Express missing number problems algebraically</p> <p>Find pairs of numbers that satisfy an equation with two unknowns</p> <p>Enumerate possibilities of combinations of two variables</p>	<p><b>Measurement – Converting units</b></p> <p>Solve problems involving the calculation and conversion of units of measure, using decimals notation up to three decimal places where appropriate</p> <p>Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit, and vice versa using decimal notation up to 3 dp</p> <p>Convert between miles and kilometres</p>	<p><b>Measurement – Perimeter, Area and volume</b></p> <p>Recognise that shapes with the same areas can have different perimeters and vice versa</p> <p>Recognise when it is possible to use formulae for area and volume of shapes</p> <p>Calculate the area of parallelograms and triangles</p> <p>Calculate, estimate and compare volume of cubes and cuboids using standard units, including cm<sup>3</sup>, m<sup>3</sup> and extending to other units (mm<sup>3</sup> and km<sup>3</sup>)</p>	<p><b>Number – Ratio</b></p> <p>Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts</p> <p>Solve problems involving similar shapes where the scale factor is known or can be found</p> <p>Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples</p>	<p><b>Statistics</b></p> <p>Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius</p> <p>Interpret and construct pie charts and line graphs and use these solve problems</p> <p>Calculate the mean as an average</p>					