

## Maths Medium Term Overview

### Year Group 6

#### Spring 1

**Enquiry Question: What is China like?**

<b>Relationships Education</b>	Reach for the stars	Our digital selves
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	Curious	Confident	Creative
	<b>Equalities and Diversity link/Questions: ensuring all children, especially girls, are confident in the maths classroom.</b>		
<b>Foci</b>	Working with fractions, decimals and percentages.  Using learnt skills to solve reasoning problems.	Further developing the use of measure in real life application.	Introduce the concept of letter algebra and linear equations.
<b>National Curriculum Link</b>	<ul style="list-style-type: none"> <li>use common factors to simplify fractions; use common multiples to express fractions in the same denomination</li> <li>compare and order fractions, including fractions <math>&gt; 1</math></li> <li>add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions</li> <li>multiply simple pairs of proper fractions, writing the answer in its simplest form</li> <li>divide proper fractions by whole numbers</li> <li>associate a fraction with</li> </ul>	<ul style="list-style-type: none"> <li>solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate</li> <li>use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places</li> <li>convert between miles and kilometres</li> <li>recognise that shapes with the same areas can have different perimeters and vice versa</li> <li>recognise when it is possible to use formulae for area and volume of shapes</li> <li>calculate the area of parallelograms and triangles</li> <li>calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm<sup>3</sup>) and cubic metres (m<sup>3</sup>), and extending to other units</li> </ul>	<ul style="list-style-type: none"> <li>use simple formulae</li> <li>generate and describe linear number sequences</li> <li>express missing number problems algebraically</li> <li>find pairs of numbers that satisfy an equation with two unknowns</li> <li>enumerate possibilities of combinations of</li> </ul>

	division and calculate decimal fraction equivalents <ul style="list-style-type: none"> <li>• identify the value of each digit in numbers given to three decimal places</li> <li>• multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places</li> </ul>	[for example, mm <sup>3</sup> and km <sup>3</sup> ].	two variables.
<b>Approximate time</b>	2 weeks.	3 weeks.	2 weeks