**Maths in Year 6**

* Use negative numbers to calculate intervals across zero
* Divide numbers using long division, interpreting the remainders as appropriate
* Use order of operations to carry out calculations
* Use common factors to simplify fractions
* Compare and order fractions of any size
* Add and subtract fractions with different denominators and mixed numbers
* Multiply simple pairs of proper fractions
* Divide proper fractions by whole numbers
* Calculate decimal fraction equivalents for simple fractions
* Multiply a number with up to two decimal places by whole numbers
* Use written division with answers of up to two decimal places
* Solve problems involving the calculation of percentages
* Recall and use equivalences between fractions, decimals and percentages
* Solve problems using ratio using multiplication and division facts
* Solve problems involving similar shapes where the scale factor is known
* Solve problems involving proportion, using knowledge of fractions and multiples
* Use simple formulae
* Generate and describe linear number sequences
* Express missing number problems algebraically
* Convert units of measure between smaller and larger units
* Convert between miles and kilometres
* Calculate the area of parallelograms and triangles
* Calculate and compare volume of cubes and cuboids
* Illustrate and name parts of a circle
* Finding missing angles in triangles, quadrilaterals and regular polygons
* Recognise vertically opposite angles and find missing angles
* Describe positions on the full co-ordinate grid
* Translate shapes on a co-ordinate grid and reflect in the axes
* Construct and interpret pie charts
* Calculate the mean as an average