Maths Long Term Overview

	Year 5
Autumn 1	**Place Value:** Roman numerals to 1000; order, compare and round numbers to a million. **Addition and Subtraction:** Add and subtract whole numbers with more than 4 digits, rounding to estimate, inverse operations and multi-step problems.
Autumn 2	**Multiplication and Division:** Multiples, factors, prime numbers, square numbers, cube numbers, multiplying and dividing by 10, 100 and 1000. **Fractions:** Equivalent fractions, convert improper fractions to mixed numbers and vice versa, number sequences, compare and order fractions greater than and less than 1, add and subtract fractions and mixed numbers.
Spring 1	**Multiplication and Division:** Multiply 4-digits by 1-digit, 2-digits by 2-digits, 3-digits by 2-digits, 4-digits by 2-digits and divide with remainders. **Fractions:** Multiply fractions by an integer, find fractions of an amount.
Spring 2	**Decimals and Percentages:** Decimals up to 2 decimal places, decimals as fractions, thousandths, ordering and comparing decimals, understanding percentages; equivalent fractions, decimals and percentages. **Perimeter and Area:** Measure and calculate perimeter; find the area of rectangles, compound shapes and irregular shapes. **Statistics:** Read and interpret line graphs, draw line graphs, solve problems involving line graphs, read two-way tables and timetables.
Summer 1	**Shape:** Measuring with a protractor, drawing angles accurately, calculating angles on a straight line and around a point; finding angles in shapes, regular and irregular polygons; and 3D shape reasoning. **Position and Direction:** First quadrant, reflection and translation.

Summer 2	**Decimals:** Adding and subtracting decimals within 1, complements to 1, adding and subtracting decimals with a different number of decimal places, decimal sequences; multiplying and dividing decimals by 10, 100 and 1000. **Negative Numbers:** Interpret negative numbers in context, count forwards and backwards with positive and negative numbers by crossing zero. **Converting Units:** Kilograms and kilometres, milligrams and millilitres, metric and imperial units, converting units of time and timetables. **Volume:** Introduction to volume and estimating capacity.