Year 5 Maths Overview

Year 5 Term 1								
Week 1 - Place value - Number - understand and identify Roman numerals to 1,000 - understand numbers to 10,000 - understand numbers to 1,000,000 - read and write numbers to 1,000,000	Week 2 - Place value - Number - understand powers of 10 - find numbers 10/100/ 1,000/10,000/100,000 more or less than a given number - partition numbers to 1,000,000 - understand the number line to 1,000,000	Week 3 - Place value - Number - compare and order numbers to 100,000 - compare and order numbers to 1,000,000 - round to the nearest 10, 100 or 1,000 - round within 100,000 - round within 1,000,000	Week 4 - Addition and subtraction - Number - add and subtract numbers mentally (use mental strategies) - add whole numbers with more than four digits - subtract whole numbers with more than four digits - round to check answers	Week 5 - Addition and subtraction - Number - use inverse operations (addition and subtraction) - solve multi-step addition and subtraction problems - compare calculations - find missing numbers	Week 6 - Multiplication and division - Number - identify multiples - find common multiples - identify factors - find common factors			
Year 5 Term 2								
Week 1 - Multiplication and division - <i>Number</i> - identify prime numbers - recognise and use square numbers - recognise and use cube numbers	Week 2 - Multiplication and division - <i>Number</i> - multiply by 10, 100 and 1,000 - divide by 10, 100 and 1,000 - multiply and divide by multiples of 10, 100 and 1,000	Week 3 - Fractions - Number - find fractions equivalent to a unit fraction - find fractions equivalent to a non-unit fraction - recognise equivalent fractions - convert improper fractions to mixed number	Week 4 - Fractions - Number - convert mixed numbers to improper fractions - compare fractions less than 1 - order fractions less than 1 - compare and order fractions greater than 1	Week 5 - Fractions - Number - add and subtract fractions with the same denominator - add fractions within 1 - add fractions with total greater than 1 - add to a mixed number - add two mixed numbers	Week 6 - Fractions - Number - subtract from a mixed number - subtract from a mixed number (breaking the whole) - subtract two mixed numbers			
Year 5 Term 3								
Week 1 - Multiplication and division - Number - multiply up to a 4-digit number by a 1-digit number - multiply a 2-digit number by a 2-digit number (area model) - multiply a 2-digit number by a 2-digit number	Week 2 - Multiplication and division - Number - multiply a 3-digit number by a 2-digit number - multiply a 4-digit number by a 2-digit number - solve problems with multiplication - use short division	Week 3 - Multiplication and division - Number - divide a 4-digit number by a 1-digit number - divide with remainders - use efficient division methods - solve problems with multiplication and division	Week 4 - Fractions Number - multiply a unit fraction by an integer - multiply a non-unit fraction by an integer - multiply a mixed number by an integer	Week 5 - Fractions - Number - calculate a fraction of a quantity - find a fraction of an amount - find the whole - use fractions as operators	Week 6 - Decimals and percentages - Number - understand decimals up to 2 decimal places - understand equivalent fractions and decimals (tenths) - understand equivalent fractions and decimals (hundredths) - calculate equivalent fractions and decimals			

Year 5 Term 4								
Week 1 - Decimals and percentages - Number - understand thousandths as fractions - understand thousandths as decimals - understand thousandths on a place value chart - order and compare decimals (same number of decimal places)	Week 2 - Decimals and percentages - Number - order and compare any decimals with up to 3 decimal places - round to the nearest whole number - round to 1 decimal place	Week 3 - Decimals and percentages - Number - understand percentages - calculate percentages as fractions - calculate percentages as decimals - calculate equivalent fractions, decimals and percentages	Week 4 - Perimeter and area - Measurement - calculate the perimeter of rectangles - calculate the perimeter of rectilinear (including composite) shapes - calculate the perimeter of polygons	Week 5 - Perimeter and area - Measurement - calculate the area of rectangles - calculate the area of compound shapes - estimate area	Week 6 - Statistics - draw line graphs - read and interpret line graphs - read and interpret tables - explore two-way tables - read and interpret timetables			
Year 5 Term 5								
Week 1 - Shape - Geometry - understand and use degrees - classify angles - estimate angles - measure angles up to 180°	Week 2 - Shape - Geometry - draw lines and angles accurately - calculate angles around a point - calculate angles on a straight line	Week 3 - Shape - Geometry - calculate lengths and angles in shapes - calculate regular and irregular polygons - explore 3-D shapes	Week 4 - Position and Direction - <i>Geometry</i> - read and plot coordinates - problem solve with coordinates - translate	Week 5 - Position and Direction - Geometry - translate with coordinates - identify lines of symmetry - reflect shapes on horizontal and vertical lines	Week 6 - Decimals - Number - use known facts to add and subtract decimals within 1 - find complements to 1 - add and subtract decimals across 1 - add decimals with the same number of decimal places			
Year 5 Term 6								
Week 1 - Decimals - Number - subtract decimals with the same number of decimal places - add decimals with different numbers of decimal places - subtract decimals with different numbers of decimal places	Week 2 - Decimals - Number - apply efficient strategies for adding and subtracting decimals - understand decimal sequences - multiply by 10, 100 and 1,000 - divide by 10, 100 and 1,000 - multiply and divide decimals (missing values)	Week 3 - Negative numbers - Number - understand negative numbers - count through zero in 1s - count through zero in multiples - compare and order negative numbers - find the difference	Week 4 - Converting Units - Measurement - convert between grams and kilograms and between metres and kilometres (different units of measure) - convert between millimetres and metres and between millilitres and litres (different units of measure)	Week 5 - Converting Units - <i>Measurement</i> - convert units of length - convert between metric and imperial units - convert units of time - calculate with timetables	Week 6 - Volume - Measurement - understand cubic centimetres - compare volume - estimate volume - estimate capacity			