nYear 6 Maths Overview

Year 6 Term 1

Week 1 - Place value - *Number*	Week 2 - Place value - *Number*	Week 3 - Addition, subtraction, multiplication and division - *Number*	Week 4 - Addition, subtraction, multiplication and division - *Number*	Week 5 - Addition, subtraction, multiplication and division - *Number*	Week 6 - Addition, subtraction, multiplication and division - *Number*
- understand numbers to 1,000,000 - understand numbers to 10,000,000 - read and write numbers to 10,000,000 - understand powers of 10	- understand and use a number line to 10,000,000 - compare and order any integers - round any integer - understand negative numbers	- add and subtract integers - identify common factors - identify common multiples - understand the rules of divisibility - identify primes to 100	- square and cube numbers - multiply up to a 4-digit number by a 2-digit number - solve problems with multiplication - use short division - divide using factors	- use long division - use long division with remainders - solve problems with division - solve multi-step problems	- understand the order of priority for operations - use mental calculations and estimation - reason from known facts

Year 6 Term 2

Week 1 - Fractions - *Number*	Week 2 - Fractions - *Number*	Week 3 - Fractions - *Number*	Week 4 - Converting units - *Measurement*	Week 5 - Ratio - *Number*	Week 6 - Ratio - *Number*
- use equivalent fractions to simplify - use and find equivalent fractions on a number line - compare and order fractions with the same denominator - compare and order fractions with the same numerator	- add and subtract simple fractions - add and subtract any two fractions - add mixed numbers - subtract mixed numbers - solve multi-step problems	- multiply fractions by integers and fractions - divide fractions by integers - solve mixed questions with fractions (and identify the operation to use) - find fractions of an amount - find the whole from a fraction of an amount	- use metric measures - convert metric measures - calculate with metric measures - convert between miles and kilometres - convert between imperial measures and metric measures	- understand additive and multiplicative relationships - understand and use ratio language - recognise and use the ratio symbol - understand the relationship between ratio and fractions - use ratio to scale a drawing/diagram	- understand the relationship between scale factors and ratio - understand similar shapes and use ratio to work out a missing side - solve ratio problems - apply strategies for solving proportion problems - adjust recipes using proportion

Year 6 Term 3

Week 1 - Algebra - *Number*	Week 2 - Algebra - *Number*	Week 3 - Decimals - *Number*	Week 4 - Decimals - *Number*	Week 5 - Fractions, decimals and percentages - *Number*	Week 6 - Fractions, decimals and percentages - *Number*
- explore 1-step function machines - explore 2-step function machines - form expressions - explore and understand substitution	- explore and understand formulae - solve 1 step equations - solve 2 step equations - find pairs of values - solve problems with two unknowns	- understand place value within 1 - understand place value (integers and decimals) - round decimals - add and subtract decimals - multiply and divide by 10, 100 and 1,000	- divide by 10,100 1,000 - multiply decimals by integers - divide decimals by integers - multiply and divide decimals in context	- understand decimal and fraction equivalents - understand fractions as division - calculate percentages - convert fractions to percentage equivalents - calculate equivalent fractions, decimals and percentages	- order fractions, decimals and percentages - calculate a percentage of an amount (one step) - calculate a percentage of an amount (multi-step) - calculate the whole number from a given percentage

Year 6 Term 4

Week 1 - Area, perimeter and volume - *Measurement*	Week 2 - Area, perimeter and volume - *Measurement*	Week 3 - Statistics	Week 4 - Shape - *Geometry*	Week 5 - Position and direction - *Geometry*	Week 6 - Consolidation
- calculate the area of shapes - calculate area and perimeter - calculate the area of a triangle (counting squares) - calculate the area of a right-angled triangle	- calculate the area of any triangle - calculate the area of a parallelogram - calculate volume (counting cubes) - calculate the volume of a cuboid	- understand line graphs - understand dual bar charts - read and interpret pie charts - understand pie charts with percentages - calculate and interpret mean as an average	- measure and classify angles - calculate angles on a straight line and around a point - calculate angles in a triangle - calculate angles in quadrilaterals - draw shapes accurately	- understand the first quadrant - read and plot points in four quadrants - solve problems with coordinates - translate shapes - reflect shapes	

Year 6 Term 5

Week 1 - Consolidation	Week 2 - Consolidation	Week 3 - Consolidation	Week 4 - Consolidation	Week 5 - SATs Week	Week 6 – Themed projects, consolidation and problem solving

Year 6 Term 6

Week 1 - Themed projects, consolidation and problem solving	Week 2 – Themed projects, consolidation and problem solving	Week 3 – Themed projects, consolidation and problem solving	Week 4 - Themed projects, consolidation and problem solving	Week 5 - Themed projects, consolidation and problem solving	Week 6 - Themed projects, consolidation and problem solving