

THE MATHS CURRICULUM YEARS FIVE-SIX

YEAR FIVE

Autumn

- Reading, writing and comparing numbers to 1,000,000
- Rounding numbers to 1,000,000
- Adding and subtracting within 1,000,000
- Multiples, factors and prime numbers
- Finding square and cube numbers
- Multiplying by 10, 100 and 1000
- Multiplying and dividing using 2-, 3- and 4-digit numbers
- Dividing with remainders
- Reading tables and line graphs

Spring

- Dividing to make fractions
- Writing improper fractions and mixed numbers
- Finding equivalent fractions
- Comparing and ordering fractions
- Adding and subtracting fractions
- Multiplying fractions by whole numbers
- Multiplying mixed numbers
- Reading, writing and comparing decimals
- Writing fractions as decimals
- Adding and subtracting decimals
- Rounding decimals
- Comparing quantities
- Finding percentages

Summer

- Knowing and measuring angles
- Investigating angles
- Investigating regular polygons
- Naming and plotting points
- Describing translations and movements
- Converting units of time, mass and length
- Telling the temperature
- Finding the perimeter
- Measuring the area
- Estimating the area
- Finding the volume of solids
- Converting units of volume

YEAR SIX

Autumn

- Reading, writing and comparing numbers to 10,000,000
- Rounding numbers
- Using mixed operations
- Multiplying and dividing by 2-digit numbers
- Finding common multiples and common factors
- Finding prime numbers
- Simplifying fractions
- Comparing and ordering fractions
- Adding and subtracting fractions
- Multiplying fractions
- Dividing a fraction by a whole number
- Dividing whole numbers
- Writing fractions as decimals
- Multiplying and dividing decimals
- Multiplying and dividing decimals by a 2-digit whole number
- Converting units of length, mass, volume and time
- Finding the percentage of a number
- Finding the percentage of a quantity
- Finding percentage change
- Using percentage to compare

Spring

- Comparing quantities
- Comparing numbers
- Describing a pattern
- Writing algebraic expressions
- Writing and evaluating algebraic expressions
- Using and writing formulae
- Solving equations
- Finding the area and perimeter of rectangles, triangles and parallelograms
- Finding the volume of cubes and cuboids
- Investigating angles in quadrilaterals and triangles
- Solving problems involving angles
- Naming parts of a circle
- Solving problems involving angles in a circle
- Drawing triangles and quadrilaterals
- Drawing nets of 3D shapes

Summer

- Showing negative numbers
- Describing position
- Drawing polygons on a coordinate grid
- Describing translations, reflections and movements
- Using algebra to describe positions and movements
- Understanding averages
- Calculating the mean
- Solving problems involving the mean
- Showing information on graphs
- Reading pie charts and line graphs
- Adding, subtracting and using negative numbers