



Long-Term Curriculum Map

Year 6

Maths

Autumn

Spring

Summer

Place Value

Numbers to 1,000,000
 Numbers to 10,000,000
 Read and write numbers to 10,000,000
 Powers of 10
 Number line to 10,000,000
 Compare and order any integers
 Round any integer
 Negative Numbers

Four Operations

Add and subtract integers
 Common Factors
 Common multiples
 Rules of divisibility
 Primes to 100
 Square and cube numbers
 Multiply up to a 4-digit number by a 2 digit number
 Solve problems with multiplication
 Short division
 Division using factors
 Introduction to long division
 Long division with remainders
 Solve problems with division
 Solve multi-step problems
 Order of operations
 Mental calculation and estimation
 Reason from known facts

Ratio

Add or multiply?
 Use ratio language
 Introduction to the ratio symbol
 Ratio and fractions
 Scale drawing
 Use scale factors
 Similar shapes
 Ratio problems
 Proportion problems
 Recipes

Algebra

1-step function machines
 2-step function machines
 Form expressions
 Substitution
 Formulae
 Form equations
 Solve 1-step equations
 Solve 2-step equations
 Find pairs of values
 Solve problems with two unknowns

Shape

Measure and Classify angles
 Calculate angles
 Vertically opposite angles
 Angles in triangle
 Angles in a triangle – special cases
 Angles in a triangle – missing angles
 Angles in quadrilaterals
 Angles in circles
 Circles
 Draw shapes accurately
 Nets of 3D Shapes

Geometry

The first quadrant
 Read and plot points in four quadrants
 Solve problems with coordinates
 Translations
 Reflections

Themed projects, consolidation and problem solving

*We are **ACHIEVERS!***

*We are a **COMMUNITY!***

*We are **PROUD!***

*We are **INCLUSIVE!***



Fractions A

Equivalent fractions and simplifying
Equivalent fractions on a number line
Compare and order (denominator)
Compare and order (numerator)
Add and subtract simple fractions
Add and subtract any two fractions
Add mixed numbers
Subtract mixed numbers
Multi-step problems

Fractions A

Multiply fractions by integers
Multiply fractions by fractions
Divide a fraction by an integer
Divide any fraction by an integer
Mixed questions with fractions
Fraction of an amount
Fraction of an amount – find the whole.

Converting units

Metric measures
Convert metric measures
Calculate with metric measures
Miles and kilometres
Imperial measures

Decimals

Place value within 1
Place value – integers and decimals
Round decimals
Add and subtract decimals
Multiply by 10, 100 and 1,000
Divide by 10, 100 and 1,000
Multiply decimals by integers
Divide decimals by integers
Multiply and divide decimals in context

Fractions, decimals and percentages

Decimal and fraction equivalents
Fractions as division
Understand percentages
Fractions to percentages
Equivalent fractions, decimals and percentages
Order fractions, decimals and percentages
Percentage of an amount – one step
Percentage of an amount – multi-step
Percentages – missing values

Area, perimeter and volume

Shapes - same area
Area and perimeter
Area of a triangle – counting squares
Area of a right-angled triangle
Area of any triangle
Area of a parallelogram



Statistics

Line graphs
Dual bar charts
Read and interpret pie charts
Pie charts with percentages
Draw pie charts
The mean