

Maths Curriculum Year 6

Autumn	Number: Place Value	Number: Addition, Subtraction, Multiplication and Division		Fractions		Geometry: Position and Direction	Consolidation
Spring	Number: Decimals	Number-Percentages	Algebra	Measurement Converting units	Measurement: Perimeter, Area and Volume	Number- Ratio	Consolidation
Summer	Geometry: Properties of Shapes	Problem solving		Statistics	Investigations		Consolidation

Autumn 1 – Place value

- Numbers to ten million
- Compare and order any number
- Round any numbers
- Negative numbers

Autumn 2 – Number

- Add and subtract whole numbers
- Multiply up to a 4-digit by 1-digit number
- Short division
- Division using factors
- Long division (1)
- Long division (2)
- Long division (3)
- Long division (4)
- Common factors
- Common multiples
- Primes
- Squares and cubes
- Order of operations
- Mental calculations and estimation
- Reasoning from known facts



Maths Curriculum Year 6

Autumn 3 - Fractions

- Simplify fractions
- Fractions on a number line
- Compare and order fractions by the denominator
- Compare and order fractions by the numerator
- Add and subtract fractions (1)
- Add and subtract fractions (2)
- Adding fractions
- Subtracting fractions
- Mixed addition and subtraction problems
- Multiply fractions by whole number
- Multiply fractions by fraction
- Divide a fraction by a whole number (1)
- Divide a fraction by a whole number (2)
- Four rules with fractions
- Fraction of an amount
- Fraction of an amount - finding the whole

Autumn 4 – Position and direction

- Coordinates in the first quadrant
- Plotting coordinates
- Translations
- Reflections
- Reasoning about shapes with coordinates

Spring 1 - Decimals

- Three decimal places
- Multiply by 10, 100 and 1,000
- Divide by 10, 100 and 1,000
- Multiply decimals by integers
- Divide decimals by integers
- Division to solve problems
- Decimals as fractions
- Fractions to decimals (1)
- Fractions to decimals (2)



Maths Curriculum Year 6

Spring 2 - Percentages

- Fractions to percentages
- Equivalent FDP
- Percentage of an amount (1)
- Percentage of an amount (2)
- Percentages – missing values
- Percentage increase and decrease
- Order FDP

Spring 3 - Algebra

- Find a rule – one step
- Find a rule – two step
- Use an algebraic rule
- Substitution
- Formulae
- Word Problems
- Solve simple one step equations
- Solve two step equations
- Find pairs of values
- Enumerate possibilities

Spring 4 – Measurement: Converting units

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

Spring 5 - Perimeter, area and volume

- Shapes – same area
- Area and perimeter
- Area of a triangle (1)
- Area of a triangle (2)
- Area of a triangle (3)
- Area of a parallelogram
- Volume – counting cubes
- Volume of a cuboid



Maths Curriculum Year 6

Spring 6 – Ratio

- Using ratio language
- Ratio and fractions
- Introducing the ratio symbol
- Calculating ratio
- Using scale factors
- Calculating scale factors
- Ratio and proportion problems

Summer 1 – Shape

- Measure with a protractor
- Introduce angles
- Calculate angles
- Vertically opposite angles
- Angles in a triangle
- Angles in a triangle – special cases
- Angles in a triangle – missing angles
- Angles in special quadrilaterals
- Angles in regular polygons
- Draw shapes accurately
- Nets of 3D shapes

Summer 2 – Problem solving

No small steps this time is usually SATs revision and SATs preparation

Summer 3 – Statistics

- Read and interpret line graphs
- Draw line graphs
- Use line graphs to solve problems
- Circles
- Read and interpret pie charts
- Pie charts with percentages
- Draw pie charts
- The mean