

Maths Curriculum Year 5

Autumn	Number – Place Value	Number – Addition and Subtraction	Statistics	Number – Multiplication and Division	Measurement: Perimeter and Area	Time at the beginning or end of the term for consolidation, gap filling, seasonal activities, assessments, etc.
Spring	Number – Multiplication and Division	Number – Fractions			Number – Decimals & Percentages	
Summer	Number – Decimals		Geometry: Properties of Shapes	Geometry: Position and Direction	Measurement: Converting Units	Measurement: Volume

Autumn 1 – Place value

- Number to 10,000
- Roman numerals to 1,000
- Round to the nearest 10, 100 and 1,000
- Number to 100,000
- Compare and order numbers to 100,000
- Round numbers within 100,000
- Numbers to a million
- Counting in 10s, 100s, 1,000s, 10,000s and 100,000s
- Compare and order numbers to a million
- Round numbers to a million
- Negative numbers

Autumn 2 – Addition and Subtraction

- Add whole numbers with more than 4-digits (column method)
- Subtract whole numbers with more than 4-digits (column method)
- Round to estimate and approximate
- Inverse operations (addition and subtraction)
- Multi-step addition and subtraction problems

Autumn 3 - Statistics



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- Read and interpret line graphs
- Draw line graphs
- Use line graphs to solve problems
- Read and interpret tables
- Two way tables
- Timetables

Autumn 4 – Multiplication and division

- Multiples
- Factors
- Common factors
- Prime numbers
- Square numbers
- Cube numbers
- Inverse operations (Multiplication and Division)
- 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

Autumn 5 – Perimeter and area

- Measure perimeter
- Calculate perimeter
- Find unknown lengths
- Area of rectangles
- Area of compound shapes
- Estimate and approximate area

Spring 1 - Multiplication and division

- Multiply 4-digits by 1-digit
- Multiply 2-digits (area model)
- Multiply 2-digits by 2-digits
- Multiply 3-digits by 2-digits
- Multiply 4-digits by 2-digits
- Divide 4-digits by 1-digit
- Divide with remainders

Spring 2 - Fractions



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- Equivalent fractions
- Improper fractions to mixed numbers
- Mixed numbers to improper fractions
- Number sequences
- Compare and order fractions less than 1
- Compare and order fractions greater than 1
- Add and subtract fractions
- Add fractions within 1
- Add 3 or more fractions
- Add fractions
- Add mixed numbers
- Subtract fractions
- Subtract mixed numbers
- Subtract – breaking the whole

Spring 3 - Decimals and percentages

- Decimals up to 2 d.p.
- Decimals as fractions (1)
- Decimals as fractions (2)
- Understand thousandths
- Thousands as decimals
- Rounding decimals
- Order and compare decimals
- Understand percentages
- Percentages as fractions and decimals
- Equivalent F.D.P

Summer 1 – Decimals

- Adding decimals within 1
- Subtracting decimals within 1
- Complements to 1
- Adding decimals – crossing the whole
- Adding decimals with the same number of decimal places
- Subtracting decimals with the same number of decimal places
- Adding decimals with a different number of decimal places
- Subtracting decimals with a different number of decimal places
- Adding and subtracting wholes and decimals
- Decimal sequences
- Multiplying decimals by 10, 100 and 1,000
- Dividing decimals by 10, 100 and 1,000

Summer 2 - Shape



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- Measuring angles in degrees
- Measuring with a protractor (1)
- Measuring with a protractor (2)
- Drawing lines and angles accurately
- Calculating angles on a straight line
- Calculating angles around a point
- Calculating lengths and angles in shapes
- Regular and irregular polygons
- Reasoning about 3D shapes

Summer 3 – Position and direction

- Position in the first quadrant
- Reflection
- Reflection with coordinates
- Translation
- Translation with coordinates

Summer 4 – Measurement: converting units

- Kilograms and kilometres
- Milligrams and millilitres
- Metric units
- Imperial units
- Converting units of time
- Timetables

Summer 5 – Measurement: volume

- What is volume?
- Compare volume
- Estimate volume
- Estimate capacity