

## Rokesly Maths Curriculum Overview

KS1	Autumn Term	Spring Term	Summer Term
Year 1	Place value 0-10 Addition and Subtraction Shape Place value 11-20	Addition and subtraction within 20 Place value within 50 Length and height Weight and volume	Multiplication, division and Fractions Length and height Place value in measurement and money
Year 2	Place Value numbers to 100 Addition and subtraction.  Money Multiplication and division	Multiplication and division Statistics Length and height.  Properties of shape Fractions	Position and directions Time Weight, volume and temperature.  Consolidation efficiency and problem solving
KS2	Autumn Term	Spring Term	Summer Term
Year 3	<p><b>Place value</b> Numbers to 1000</p> <p><b>Addition and subtraction</b> Up to three digits</p> <p><b>Addition and subtraction</b> Inverse operations Problem solving Bar modelling</p> <p><b>Multiplication and division</b> Two digit by one digit 3, 4, 8 x tables</p>	<p><b>Multiplication and division</b> Problem solving</p> <p><b>Money</b> Adding, subtracting, change</p> <p><b>Statistics</b> Bars charts, pictograms and tables</p> <p><b>Measurement and perimeter</b> Lengths in m/cm/mm</p> <p><b>Fractions</b> Tenths Fractions of amounts</p>	<p><b>Fractions</b> Equivalence and Ordering</p> <p>Adding / subtracting</p> <p><b>Time</b> Tell the time from 12 and 24 hr clocks</p> <p><b>Geometry</b> Describe 2D and 3D shapes, Identify right angles, horizontal, vertical, parallel and perpendicular lines.</p> <p><b>Measurement</b> Mass, capacity and volume</p>
Year 4	<p><b>Place value</b> 4 digit numbers Rounding to 10, 100, 1000 Roman numerals to 100(C)</p> <p><b>Addition and Subtraction</b> Column addition and subtraction up to 4 digits</p>	<p><b>Time</b> Read and convert time (analogue and digital) Solve problems and convert hrs to minutes, minutes to sec, etc.</p> <p><b>Fractions</b> Common equivalent fractions Count in 100ths Problem solving</p>	<p><b>Measures and money</b> Estimate and compare measures Calculate including money</p> <p><b>Geometry</b> Classify 2D 3D shapes Acute, obtuse and right angles Symmetry</p>

	<p><b>Addition and subtraction</b> 2 step word problems</p> <p><b>Multiplication and division</b> Facts up to 12x12 Multiply 2 and 3 digit numbers by 1 digit Problem solving</p>	<p><b>Decimals</b> Recognise simple equivalent fractions &amp; decimals Divide by 10 and 100 Round to 1 decimal point or whole number Solve money and measure problems</p>	<p><b>Position and movement</b> Describe positions and movements as co-ordinates</p> <p><b>Measurement</b> Length and perimeter, Area Statistics: Bar charts, pictograms and tables, time graphs Problem solving</p>
<b>Year 5</b>	<p><b>Place value</b> Numbers up to 1,000,000 Negative numbers Roman numerals to 1000(M)</p> <p><b>Addition and subtraction</b> Numbers with more than 4 digits Rounding Multi-step problems</p> <p><b>Statistics</b> Discrete and continuous data Comparison, sum and difference problems Tables and timetables</p> <p><b>Multiplication and division</b> Multiples and factors Square and prime numbers Multiply and divide 4 digits by one digit Problem solving</p>	<p><b>Fractions</b> Order fractions Equivalence Mixed numbers and improper fractions Add, subtract and multiply fractions with same denominator</p> <p><b>Fractions, decimals and percentages</b> Common equivalent fractions, percentages and decimals Recognise % relates to parts per 100 Decimals Rounding to whole number and 1dp Ordering Adding and subtracting Multiply and divide by 10, 100, 1000 Money</p>	<p><b>Geometry</b> Classify shapes based on properties Estimate angles (in degrees) Work out missing lengths and angles</p> <p><b>Position and movement</b> Describe translations Plot points and draw polygons</p> <p><b>Measurement</b> Convert between different units of metric measure Understand equivalences between common imperial measures and metric units Solve problems involving time and converting time</p> <p><b>Measurement</b> Perimeter and area Volume</p>
<b>Year 6</b>	<p><b>Place value</b> Ordering numbers up to 1,000,000 Rounding Negative numbers</p> <p><b>Addition and subtraction</b> Multi-step problems</p> <p><b>Multiplication and division</b></p>	<p><b>Geometry</b> 2D and 3D shapes Draw and measure angles Build 3D shapes and nets Name parts of a circle Describe positions on all four quadrants</p> <p>Ratio</p>	<p>Consolidation of areas of maths using assessment data.</p> <p>Maths investigations (KS2 SATS)</p> <p>Maths investigations and more complex problem solving.</p>

	<p>Multiply and divide 4 digits by 2 digits. Common factors, multiples and primes</p> <p><b>Four operations</b> Multi-step problem solving</p> <p><b>Fractions</b> Simplifying Ordering Adding, subtracting, multiplying and dividing</p> <p><b>Decimals</b> Rounding to 2 decimal points Ordering Multiplying numbers with 2 decimal points</p> <p><b>Percentages</b> Write percentages as a fraction with 100 as the denominator Equivalent fractions, decimals and percentages</p>	<p><b>Measurement</b> Mass, length, volume, capacity Converting units Solve problems involving calculation and conversion</p> <p><b>Measurement</b> Perimeter, area and volume Using formulae to calculate Area of triangles and parallelograms Calculate volume (cm<sup>3</sup>, m<sup>3</sup>)</p> <p><b>Statistics</b> Construct pie charts Calculate and interpret the mean</p> <p><b>Algebra</b> Use simple formulae Use to describe number sequences</p>	<p>Consolidation work and preparation for KS3</p>
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