

## Maths Objectives Overview

Term/Topic	Topics Covered	Focus Learning
Autumn I All About Me	Number Number 2d shape Size Pattern Time	Oral counting Numbers to 5 Simple real life shapes Comparing size – big, small Investigating pattern Days of the week, Seasons
Autumn II Food	Numbers Numbers Number Calculating Shape	Oral counting to 10 Recognising numbers to 10 Counting and labelling sets to 10 Sharing in real life contexts Matching shapes and making pictures
Spring I People who help us	Number Number Shape Handling data Pattern	Oral Counting Recognising numbers to 10 Simple 2d shapes – circle, square, triangle Sorting by colour, similarity etc Creating and copying patterns
Spring II Traditional Tales	Number Positional language Shape Measure (time) Measure Money	Counting to 10 – making sets 1:1 On, under, above, below, behind, in front of 2d shape – circle, square, triangle, rectangle Sequencing events Comparing – full, empty, half full 1p's – Gingerbread bakery
Summer I Transport	Number Handling data Number Pattern Shape Measure	Oral Counting – ordering numbers to 5 Tally Charts More / less Repeating pattern 3d shape – real life Length and height (non-standard)
Summer II Living Things	Number Addition Subtraction Money Number	Counting to 20 – making sets 1:1 One more One less 1p, 2p and 5p Counting and labelling groups

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Autumn I Proud to be me	Number Number Number Measure Shape Pattern	Oral counting to 10 and beyond Recognising and Ordering Numbers to 10 1:1 Correspondence and matching numbers Language of size big, bigger, biggest 2D shapes Repeating patterns
Autumn II Night and Day	Number Number Number Number + / - Measure Shape	Counting to 20 Counting back 10 – 0 Counting sets Ordering numbers – writing numerals 1 more / 1 less Weight – heavy, heavier, heaviest, light, lighter, lightest 3d Shape
Spring I Passport to the World (Clothes and Weather)	Number Number Number Time Measure Data Handling Number	Ordering numbers to 20 Counting sets to 20 Counting back 20 – 0 Sequences - days and seasons Length Sharing and sorting Practical Addition
Spring II Spring has Sprung (Growth and Change)	Addition Subtraction Money Pattern Multiplication Shape Shape Number	Practical - Addition Practical - Subtraction Money – 1p, 2p, 5p, 10p recognition Symmetry and pattern Practical Doubling 3d shapes Shape/ positional Language Counting/ calculations
Summer I Animals	Number Number Shape Division Data Handling + / - Measure Number	Counting in 2's, 5's and 10's Counting to and from 20 Positional language Practical Sharing and Halving Tally Charts and Pictograms Practical – Addition and Subtraction Height Addition & Subtraction
Summer II Splish Splash (Water)	Addition Subtraction Shape Multiplication and Division Measure	Simple number sentences to 20 Simple number sentences to 20 3d shapes Doubling and Halving  Capacity

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Term/Topic	Areas of Maths	Focus Learning
Autumn I Our Local Area	Number Number Measurements Place Value & Ordering Addition Subtraction Shape & Space Curriculum Week	Read & Write Numbers to 20. Read & Write Numbers to 20 & Place Value Length – Standard & Non-Standard Partitioning 2 digit numbers (TU) < > Addition – using counters & Number lines Subtraction – using counters & Number lines Shape & Space – 2D shapes – names & features – circle, square, triangle, rectangle, pentagon, hexagon
Autumn II Guy Fawkes	Number Number Addition Subtraction Measurements  Money Shape & Space	1 more and 1 less 10 more and 10 less Addition - Counting on Subtraction - Number lines (underneath) Time – Sequence of the day, days of the week and months of the year Recognising coins
Spring I Africa	Number Place Value & Ordering Addition Subtraction Shape & Space  Curriculum Week	Halves & Quarters Partitioning 3 digit numbers (HTU) Addition – add one digit to a multiple of 10. Subtraction – of a one digit from a 2 digit number 3D shapes – names and features Patterns. Curriculum Week
Spring II Dinosaurs	Number Number Measurement- Time Addition Subtraction	Count in 5s and 10s. Count in 2s and doubling Time – o'clock and half past Addition – one digit to a 2 digit number Subtraction – a multiple of 10 from a 2 digit number
Summer I Britain Then	Division Multiplication Measurements - Weight Money – to pay	Halving & Sharing – 2,5,10 Lots of 2,5,10  Measurements - Weight Money – to pay
Summer II Britain Now	Division Multiplication Money – To Pay Time Position & Direction Measurement - Capacity Curriculum Week	Grouping 2,5,10 Arrays 2,5,10 Money – To Pay Time – o'clock & half past (quarter past & quarter to?) Position & Direction Measurement - Capacity Curriculum Week

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Autumn I	Number Addition Subtraction Measure Shape Data Handling	Count and understand number – place value and partitioning Add a 2 digit and a 1 digit number on a number line Counting back on a number line Length (cm measuring) 2D shape properties Tally and Bar charts
Autumn II	Number Shape Multiplication Money Time Number	Reading and writing numbers- partitioning Position and direction Repeated addition Value of coins, making amounts. O'clock, Half past Number sequences
Spring I	Number Addition Subtraction Measure Shape Data Handling	Comparing and ordering numbers. Semi-Formal methods Semi-Formal methods Weight 3D shape properties VENN/Carroll diagrams
Spring II	Number Multiplication Division Shape Money Time	Place value, partitioning and rounding to next 10. Arrays Sharing Symmetry Adding amounts ( semi-formal) Quarter to/quarter past
Summer I	Number Addition Subtraction Measure Data Handling Assessment Week	Halving and doubling Bridging 100 Bridging 100 Capacity Collect and record data: Pictograms
Summer II	Number Multiplication Division Money Time	Place value Arrays (extend to 3 and 4x tables) Grouping Giving change Time problems

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Autumn I	Number Addition Subtraction Money Shape Measure	Partitioning 3 digit number Written methods not bridging 10 Written methods not exchanging One step money problems 2d shapes and their properties Length - cm, mm, metres, m
Autumn II	Number Multiplication Division Data Handling Fractions Time	Ordering whole numbers Arrays Sharing Tally charts and pictograms, block graphs Fractions of shapes Quarter hour (past, to) – analogue clock
Spring I	Number Addition Subtraction Money Shape Measure	Rounding to the nearest 10 Column addition Finding the difference Giving Change Reflective symmetry Weight – kg, g, label to the nearest division and $\frac{1}{2}$
Spring II	Number Multiplication Division Data Handling Fractions Time	Rounding to the nearest 100 Intro Grid method U x TU Grouping Venn & Carroll diagrams Compare / establish equivalents Digital and analogue clocks
Summer I	Number Addition Multiplication Money Shape Measure	Using rounding to estimate (addition) Bridging Grid Method 2 step problems Compass points, position and direction Capacity – read and label to the nearest division and $\frac{1}{2}$
Summer II	Number Multiplication Division Data Handling Fractions Time Shape	Using rounding to estimate (subtraction) Exchanging Short division no remainders Bar Charts (ICT) Equivalent Fractions Time Intervals, passing of time Right angles

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Autumn I	<b>Number</b> <b>Addition</b>  <b>Subtraction</b>  <b>Shape</b> <b>Fractions</b> <b>Time</b>	Place Value, partitioning Addition on a number line, column methods & word problems Subtraction on a number line, column methods & word problems 2d & 3d shapes, properties, nets Fractions of a shape, equivalent fractions, mixed numbers Reading time on an analogue clock
Autumn II	<b>Time</b> <b>Number</b> <b>Multiplication</b> <b>Division</b> <b>Data Handling</b> <b>Measures</b>	am/pm, time problems, time intervals $\times/\div$ by 10, 100 multiplication facts, repeated addition, grid method division facts, with remainders, division problems pictograms, bar charts, tally charts Length – mm/cm/m/km, reading scales
Spring I	<b>Number</b> <b>Money</b> <b>Shape</b> <b>Fractions</b>  <b>Measure</b>  <b>Shape</b>	Rounding numbers to the nearest 10/100, inverses Refine addition and subtraction methods using £ Polygons, lines of symmetry, reflective symmetry Mixed numbers, place on a number line, count & order fractions Weight – g/kg, reading scales, estimating & measuring, word problems Angles
Spring II	<b>Number</b> <b>Multiplication</b> <b>Division</b> <b>Fractions</b> <b>Decimals</b> <b>Measure</b>	Negative numbers (temperature) Revise grid method, word problems Division with remainders, short division, word problems Finding fractions of numbers & quantities Decimal equivalents, place on a number line Capacity – l/ml, reading scales, conversions
Summer I	<b>Number</b> <b>Addition</b> <b>Subtraction</b> <b>Shape</b> <b>Data Handling</b> <b>Measures</b>	Number facts, bonds to 100 (multiples of 10) Refine written methods, problem solving, using £ Refine written methods, problem solving, using £ eight compass points, position on a grid Venn & Carroll Diagrams Calculate area by counting squares and perimeter of shapes by measuring the distance
Summer II	<b>Number</b> <b>Multiplication</b> <b>Division</b>  <b>Shape</b> <b>Measures</b> <b>Number</b>	Sequences, ordering numbers grid method, word problems short division, rounding up or down after division (calculators) sorting shapes Ratio and Proportion Problem Solving

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Autumn I	Numbers and the number system  Mental + and - Addition Subtraction Mental x and ÷ Multiplication Division	Place Value/ Partition whole numbers and numbers to two decimal places/ Position numbers on a number line. Number bonds, compliments, difference, counting on Consolidate column addition Consolidate column subtraction 10/100/100 and multiplying multiples of 10 Grid method Consolidate short division
Autumn II	FDP  Data Number Shape Measures Time	Equivalence (include between fract/dec/%) * and converting (mixed/improper) Bar Charts and Frequency Sequences 2D properties including parallel and perp Length (measure and conversions) 24 hour clock
Spring I	Number Addition (money) Subtraction (money) Multiplication (to include some money) Division  Shape	Ordering (less/greater and negative) Column plus word probs Column plus word probs Consolidate grid and word probs  Consolidate 'bus stop' and to round up or down after division – depending on context 3D shape (properties, construction and visualising)
Spring II	Data/Number Measure Fractions Measure Mental x and ÷	Averages (Mean, mode, median, range) Angles (types of angle and using a protractor) Ordering and fractions of amounts * Mass (measure and conversions) Multiples, factors, primes, squares (and cubes)
Summer I	Number Addition and subtraction Multiplication and division Measure FDP Data	Rounding and estimating Time intervals, start/end times (inc timetables) Word probs Area and perimeter Fraction and percentages of numbers Line graphs and frequency tables
Summer II	Measure Shape Number Money Number Measure	Capacity (measure and conversions) Coordinates and translations and reflections Ratio and proportion Problem solving – budgeting Roman Numerals and problems and patterns Problems including imperial and metric conversions

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Term/ Topic	Topics Covered	Focus Learning	Additional Maths
Autumn I	<ol style="list-style-type: none"> <li>1. Place Value</li> <li>2. Mental Strategies</li> <li>3. Addition</li> <li>4. Subtraction</li> <li>5. Multiplication</li> <li>6. Division</li> <li>7. Data Handling</li> <li>8. Word Problems</li> </ol>	<ul style="list-style-type: none"> <li>- Reading and writing numbers, ordering &amp; rounding</li> <li>- Compliments of numbers, adding/subtracting 9/11</li> <li>- Partitioning, basic facts, column addition</li> <li>- Partitioning, basic facts, column subtraction</li> <li>- Basic facts, rapid recall, grid method</li> <li>- Basic facts, rapid recall, short division (bus stop)</li> <li>- Interpret &amp; collect data, bar charts</li> <li>- All 4 operations, including money</li> </ul>	Times tables & basic number fact revision
Autumn II	<ol style="list-style-type: none"> <li>1.</li> <li>2. Number</li> <li>3. Shape</li> <li>4. Shape</li> <li>5. Time</li> <li>6. Measure (Length)</li> </ol>	<ul style="list-style-type: none"> <li>- CURRICULUM WEEK</li> <li>- Number Sequences &amp; Special Numbers</li> <li>- 2D &amp; 3D shapes, identify &amp; describe</li> <li>- Co-ordinates &amp; Symmetry</li> <li>- Read &amp; use 24 hr clock, facts, timetables</li> <li>- Read a scale, conversions, measure, area &amp; perimeter.</li> <li>- CHRISTMAS WEEK</li> </ul>	<ol style="list-style-type: none"> <li>1. Number</li> <li>2. Addition</li> <li>3. Multiplication</li> <li>4. Subtraction</li> <li>5. Division</li> </ol> <p><u>Focus on problem solving</u></p>
Spring I	<ol style="list-style-type: none"> <li>1. Number</li> <li>2. Fractions</li> <li>3. Decimals &amp; Percentages</li> <li>4. Data Handling</li> <li>5. Measure (Capacity)</li> <li>6.</li> </ol>	<ul style="list-style-type: none"> <li>- Proportion &amp; Ratio</li> <li>- Identify, equivalent, read, improper, mixed</li> <li>- Improper, decimal equivalents, find percentages, link to equivalent fractions&amp; decimals</li> <li>- Draw, read &amp; interpret line graphs inc mean mode, range, median</li> <li>- Read a scale, conversions, measure,.</li> </ul> <p>CURRICULUM WEEK</p>	<ol style="list-style-type: none"> <li>1. Multiplication</li> <li>2. Division</li> <li>3. Addition</li> <li>4. Subtraction</li> <li>5. Area</li> </ol> <p><u>Focus on SATs questions</u></p>
Spring II	<ol style="list-style-type: none"> <li>1. Data Handling</li> <li>2. Shape</li> <li>3. Shape</li> <li>4. Measure (Mass)</li> <li>5. Number</li> <li>6. SATs Test</li> </ol>	<ul style="list-style-type: none"> <li>- Probability</li> <li>- Angles &amp; Triangles</li> <li>- Shape re-visit (irregular, perpendicular, parallel)</li> <li>- Conversions, measures,</li> <li>- Mental Calculations, square numbers,</li> <li>- Strategy Building</li> </ul>	<ol style="list-style-type: none"> <li>1. Shape - Symmetry</li> <li>2. Data Handling</li> <li>3. Fractions</li> <li>4. Decimals</li> <li>5. Ratio/ Proportion</li> </ol>
Summer I	<ol style="list-style-type: none"> <li>1. SATs Test</li> <li>2. SATs Test</li> <li>3. SATs Test</li> <li><b>SATs</b></li> <li>5. Data Handling</li> <li>6. Data Handling</li> </ol>	<ul style="list-style-type: none"> <li>- Strategy Building</li> <li>- Strategy Building</li> <li>- Strategy Building</li> <li><b>SATs</b></li> <li>- Individual Enquiry projects eg traffic outside school</li> <li>- Individual Enquiry projects</li> </ul>	Continued SATs practise
Summer II	<ol style="list-style-type: none"> <li>1. Number</li> <li>2. Shape</li> <li>3. Shape - Coordinates</li> <li>4. Shape -Angles</li> <li>5. Measures</li> <li>6. Money</li> </ol>	<ul style="list-style-type: none"> <li>- Problem &amp; puzzle solving &amp; creation</li> <li>- Use and application of maths through theme based topics eg At the Fairground</li> <li>- Pricing a dream holiday, business enterprise etc</li> </ul>	