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| **EYFS** | **Autumn Term 1** | **Autumn Term 2** | **Spring Term 1** | **Spring Term 2** | **Summer Term 1** | **Summer Term 2** |
| **Topic** | **Unit 1, Numbers to 5**   * Counting to 1, 2, 3 * Counting to 4 * Counting to 5   **Unit 2, Comparing groups withing 5**   * Comparing quantities of identical objects * Comparing quantities of non-identical objects | **Unit 3, Shape**   * 3d Shapes * 2D Shapes   **Unit 4, Change within 5**   * One more * One less   **Unit 5, Number bonds within 5**   * Introducing the part-whole model   **Unit 6, Space**   * Spatial awareness | **Unit 7, Numbers to 10**   * Counting to 6, 7, 8 * Counting to 9, 10   **Unit 8, Comparing numbers within 10**   * Comparing groups up to 10   **Addition to 10**   * Combining two groups to find the whole   **Unit 10, Measure**   * Length, height & distance * Weight | **Unit 11, Number bonds**   * Using a ten frame * The part-whole model to 10   **Unit 12, Subtraction**   * Subtraction   **Unit 13, Exploring patterns**   * Making simple patterns * Exploring more complex patterns | **Unit 14, Counting on and counting back**   * Adding by counting on * Taking away by counting back   **Numbers to 20**   * Counting to and from 20   **Unit 16, Numerical patterns**   * Doubling * Halving and sharing * Odds and evens | **Unit 17, Shape**   * Composing and decomposing shapes   **Unit 18, Measure**   * Volume and capacity   **Unit 19, Sorting**   * Sorting into 2 groups   **Unit 20, Time**   * My day |
| **ELG 2021** | * Have a deep understanding of number to 10, including the composition of each number. * Subitise (recognise quantities without counting) up to 5. * Recognise the pattern of the counting system. * Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity. * Subitise (recognise quantities without counting) up to 5 | * Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity. * Have a deep understanding of number to 10, including the composition of each number. * Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 and some number bonds to 10, including double facts. | * Have a deep understanding of number to 10, including the composition of each number. * Subitise (recognise quantities without counting) up to 5. * Verbally count, (recognising the pattern of the counting system). * Compare quantities up to 10 in different contexts, (recognising when one quantity is greater than, less than or the same as the other quantity). * Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts. * Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity. | * Have a deep understanding of number to 10, including the composition of each number. * Subitise (recognise quantities without counting) up to 5. * Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts. * Have a deep understanding of number to 10, including the composition of each number. | * Have a deep understanding of number to 10, including the composition of each number. * Verbally count beyond 20, recognising the pattern of the counting system. * Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally. | * Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity. |
| **Key Vocabulary** | Number names  Count, forwards. Backwards, how many, total, altogether, five frame, same, different, next, after, arrange | Number names  Count, forwards. Backwards, how many, total, altogether, five frame, same, different, more, fewer, every, represent, match, sort, compare, equal, greater, less | Number names  Count, forwards. Backwards, how many, total, altogether, five frame, same, different, more, fewer, every, represent, match, sort, compare, equal, greater, less | Roll, stack, push, curved, straight, round, corners, faces, edges, sides, square, rectangle, circle, triangle, sphere, cube, cuboid, cylinder, cone, odd one out, properties, characteristics | First, then, now, order, take away, add, together, ten frame, group, part, whole, part-whole, how many, counting, same, different | In, on, under, below, in front of, behind, next to, up, down across, language of each measure |

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| **Year 1** | **Autumn Term** | | **Spring Term** | | **Summer Term** | |
| **Number – Number and Place Value** | **Textbook 1A**  **Unit 1, Numbers to 10**   * Sorting objects * Counting objects to 10 * Represent numbers to 10 * Count objects from a larger group * Count on from any number * One more * Count backwards from 10 to 0 * One less * Compare groups * Fewer or more? * <, > or = * Compare numbers * Order objects and number * The number line | | **Textbook 1B**  **Unit 6, Numbers to 20**   * Count to 20 * Understand 10 * 11, 12 & 13 * 14, 15 & 16 * 17, 18 & 19 * Understand 20 * One more and one less * The number line to 20 * Label number lines * Estimate on a number line * Compare numbers to 20 * Order numbers to 20   **Unit 8, Numbers to 50**   * Count to 50 * Numbers to 50 * 20, 30, 40, 50 * Count by making groups of 10s * Groups of 10s and 1s * Partition into 10s and 1s * One more, one less | | **Textbook 1C**  **Unit 14, Numbers to 100**   * Count from 50 to 100 * 10s to 100 * Partition into 10s and 1s * Number line to 100 * One more and one less * Compare numbers | |
| **Number – Addition and Subtraction** | **Unit 2, Part-Whole within 10**   * Parts and wholes * The part-whole model * Write number sentences * Fact families – addition facts * Number bonds * Find number bonds * Number bonds to 10   **Unit 3, Addition within 10**   * Add together * Add more * Addition problems * Find the missing number   **Unit 4, Subtraction within 10**   * How many are left? * Break apart * Fact families * Subtraction on a number line * Add or subtract 1 or 2 * Solve word problems – addition and subtraction | | **Unit 7, Addition and subtraction within 20**   * Add by counting on within 20 * Add ones using number bonds * Find and make number bonds to 20 * Doubles * Near doubles * Subtract ones using number bonds * Subtraction – count back * Subtraction – find the difference * Related facts – fact families * Missing number problems * Solve word and picture problems – addition and subtraction | |  | |
| **Number - Multiplication & Division** |  | |  | | **Unit 11, Multiplication & division**   * Count in 2s * Count in 10s * Count in 5s * Equal groups * Add equal groups * Make arrays * Make doubles * Grouping * Sharing | |
| **Number - Fractions** |  | |  | | **Unit 12, Fractions**   * Recognise and find a half of a shape * Recognise and find a half of a quantity * Recognise and find a quarter of a shape * Recognise and find a quarter of a quantity | |
| **Geometry –**  **Properties of**  **Shape** | **Unit 5, 2D & 3D Shapes**   * Recognise and name 3D shapes * Sort 3D shapes * Recognise and name 2D shapes * Make patterns and shapes | |  | |  | |
| **Geometry – Position & Direction** |  | |  | | **Unit 13, Position and direction**   * Describe turns * Describe position - left and right * Describe position – forwards and backwards * Describe position – above and below   Ordinal numbers | |
| **Measurement** |  | | **Unit 9, Introducing length and height**   * Compare lengths and heights * Measure length (non-standard units of measure) * Measure length (using a ruler) * Solve word problems - length   **Unit 10, Introducing weight and volume**   * Heavier and lighter * Measure mass * Compare mass * Full and empty * Measure capacity * Compare capacity * Solve word problems – mass and capacity | | **Unit 15, Money**   * Recognise coins * Recognise notes * Count in coins   **Unit 16, Time**   * Before and after * Days of the week * Months of the year * Tell the time to the hour * Tell the time to the half hour | |
| **Key Vocabulary** |  |  |  |  |  |  |

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| **Year 2** | **Autumn Term** | | **Spring Term** | | **Summer Term** | |
| **Number – Number and Place Value** | **Textbook 2A**  **Unit 1, Numbers to 100**   * Numbers to 20 * Count in 10s * Count in 10s and 1s * Recognise 10s and 1s * Build a number from 10s and 1s * Use a place value grid * Partition numbers to 100 * Partition numbers flexibly within 100 * Write numbers to 100 in expanded form * 10s on a number line to 100 * 10s and 1s on a number line to 100 * Estimate numbers on a number line * Compare numbers * Order numbers * Count in 2s. 5s and 10s * Count in 3s | | **Textbook 2B** | | **Textbook 2C** | |
| **Number – Addition and Subtraction** | **Unit 2, Addition and Subtraction**   * Fact families * Learn number bonds * Add two multiples of 10 * Complements to 100 (tens) * Add and subtracts 1s * Add by making 10 * Add using a number line * Add three 1 digit numbers * Add to the next 10 * Add across a 10 * Subtract across a 10 * Subtract from a 10 * Subtract a 1 digit number from a 2 digit number - across 10   **Unit 3, Addition and Subtraction**   * 10 more, 10 less * Add and subtract 10s * Add two 2 digit numbers – add 10s and 1s * Add two 2 digit numbers – add more 10s and more 1s * Subtract a 2 digit number from a 2 digit number – not across 10 * Subtract a 2 digit number from a 2 digit number – across 10 * How many more? How many fewer? * Subtraction – find the difference * Compare number sentences * Missing number problems * Mixed addition and subtraction * Two step problems | |  | | **Unit 12, Problem solving and efficient methods**   * My way, your way! * Use number facts * Use a 100 square * Missing numbers * Mental addition and subtraction * Efficient subtraction * Solve problems – addition and subtraction * Solve problems – multiplication and division * Solve problems – using the four operations | |
| **Number - Multiplication & Division** |  | | **Unit 6, Multiplication & division**   * Recognise equal groups * Make equal groups * Add equal groups * The x sign * Multiplication sentences * Use arrays * Make equal groups – grouping * Make equal groups – sharing   **Unit 7, Multiplication & division**   * 2 times-tables * Divide by 2 * Double and halve * Odd and even numbers * 10 times-tables * Divide by 10 * 5 times-tables * Divide by 5 * Bar modelling – groupings * Bar modelling – sharing | |  | |
| **Number - Fractions** |  | |  | | **Unit 10, Fractions**   * Introducing parts and wholes * Equal and unequal parts * Recognise a half * Find a half * Recognise a quarter * Find a quarter * Thirds * Find the whole * Unit and non-unit fractions * Recognise the equivalence of a half and two quarters * Recognise three quarters * Count in fractions up to a whole | |
| **Geometry –**  **Properties of**  **Shape** | **Unit 4, Properties of shape**   * Recognise 2D and 3D shapes * Count sides on 2D shapes * Count vertices on 2D shapes * Draw 2D shapes * Lines of symmetry on shapes * Sort 2D shapes * Making patterns with 2D shapes * Count faces on 3D shapes * Count edges on 3D shapes * Count vertices on 3D shapes * Sort 3D shapes * Making patterns with 3D shapes | |  | |  | |
| **Geometry – Position & Direction** |  | |  | | **Unit 13, Position and direction**   * Language of position * Describe movement * Describe turns * Describe movement and turns * Make patterns and by turning shapes | |
| **Measurement** |  | | **Unit 5, Money**   * Count money – pence * Count money – pounds (notes and coins) * Count money – pounds and pence * Choose notes and coins * Make the same amount * Compare amounts of money * Calculate with money * Make £1 * Find change * Two step problems   **Unit 8, length & height**   * Measure in cm * Measure in m * Compare lengths and heights * Order lengths and heights * Four operations with lengths and heights   **Unit 9, Mass, capacity & temperature**   * Compare mass * Measure in grams * Measure in kilograms * Compare volume and capacity * Measure in mls * Measure in ls * Measure temperature using thermometers * Read thermometers | | **Unit 11, Time**   * O’clock and half past * Quarter past and quarter to * Tell the time to 5 mins * Minutes in an hour * Hours in a day | |
| **Statistics** |  | |  | | **Unit 14, Statistics**   * Make tally charts * Tables * Block diagrams * Draw pictograms (1 to 1) * Interpret pictograms (1 to 1) * Draw pictograms (1 to 2, 5 to 10) * Interpret pictograms (1 to 2, 5 to 10) | |
| **Key Vocabulary** |  |  |  |  |  |  |

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| **Year 3** | **Autumn Term** | | **Spring Term** | | **Summer Term** | |
| **Number – Number and Place Value** | **Textbook 3A**  **Unit 1, Place value within 1,000**   * Represent and partition numbers to 100 * Number line to 100 * 100s * Represent numbers to 1000 * Partition numbers to 1000 * Partition numbers to 1000 flexibily * 100s, 10s, 1s * Use a number line to 1000 * Estimate on a number line to 1000 * Find 1, 10, 100 more or less * Compare numbers to 1000 * Order numbers to 1000 * Count in 50s | | **Textbook 3B** | | **Textbook 3C** | |
| **Number – Addition and Subtraction** | **Unit 2, Addition and subtraction**   * Apply number bonds within 10 * Add/subtract 1s * Add/subtract 10s * Add/subtract 100s * Spot the pattern * Add 1s across 10 * Add 10s across 100 * Subtract 1s across 10 * Subtract 10 across 100 * Making connections   **Unit 3, Addition and subtraction**   * Add two numbers * Subtract two numbers * Add two numbers (across 10) * Add two numbers (across 100) * Subtract two numbers (across 10) * Subtract two numbers (across 100) * Add a 3 digit and a 2 digit number * Subtract a 2 digit number from a 3 digit number * Complements to 100 * Estimate answers * Inverse operations * Problem solving | |  | |  | |
| **Number - Multiplication & Division** | **Unit 4, Multiplication and division**   * Multiplication – equal groups * Use arrays * Multiples of 2 * Multiples of 5 and 10 * Sharing and grouping   **Unit 5, Multiplication and division**   * Multiply by 3 * Divide by 3 * The 3 times-tables * Multiply by 4 * Divide by 4 * The 4 times-tables * Multiply by 8 * Divide by 8 * The 8 times-tables * Problem solving – multiplication and division * Understand divisibility | | **Unit 6, Multiplication and division**   * Multiples of 10 * Related calculations * Reasoning about multiplication * Multiply 1 digit number by a 1 digit number – exchange * Expanded method * Link multiplication and division * Divide 2 digit number by 1 digit number – no exchange * Divide 2 digit number by 1 digit number – flexible partitioning * Divide 2 digits by 1 digit with remainders * How many ways? * Problem solving – mixed problems | |  | |
| **Number - Fractions** |  | | **Unit 8, Fractions**   * Understand the denominator of unit fractions * Compare and order unit fractions * Understand the numerator of non-unit fractions * Understand the whole * Compare and order non-unit fractions * Divisions on a number line * Count in fractions on a number line * Equivalent fractions as bar models * Equivalent fractions on a number line * Equivalent fractions | | **Unit 11, Fractions**   * Add fractions * Subtract fractions * Partition the whole * Problem solving – add and subtract fractions * Unit fractions of a set of objects * Non-unit fractions of a set of objects * Reason with fractions of an amount * Problem solving – fractions of measures | |
| **Geometry –**  **Properties of**  **Shape** |  | |  | | **Unit 14, Angles and properties of shapes**   * Turns and angles * Right angles in shapes * Compare angles * Measure and draw accurately * Horizontal and vertical * Parallel and perpendicular * Recognise, describe and draw 2D shapes * Recognise and describe 3D shapes * Make 3D shapes | |
| **Measurement** |  | | **Unit 7, Length and perimeter**   * Measure in m and cm * Measure in cm and mm * M, cms and mms * Equivalent lengths – cm and m * Equivalent lengths – cm and mm * Compare lengths * Add lengths * Subtract lengths * Measure perimeters * Calculate perimeters * Problem solving – length   **Unit 9, Mass**   * Use scales * Measure mass * Measure mass in kilograms and grams * Equivalent masses * Compare mass * Add and subtract mass * Problem solving – mass   **Unit 10, Capacity**   * Measure capacity and volume in litres and millilitres * Measure in litres and millilitres * Equivalent capacities and volumes (litres and millilitres) * Compare capacity and volume * Add and subtract capacity and volume * Problem solving – capacity | | **Unit 12, Money**   * Pounds and pence * Converting pounds and pence * Add money * Subtract money * Find change   **Unit 13, Time**   * Roman numerals to 12 * Tell the time to 5 minutes * Tell the time to the minute * Read time on a digital clock * Use am and pm * Years, months and days * Days and hours * Hours and minutes – start and end times * Hours and minutes – durations * Hours and minutes – compare durations * Minutes and seconds * Solve problems with time | |
| **Statistics** |  | |  | | **Unit 15, Statistics**   * Interpret pictograms * Draw pictograms * Interpret bar charts * Collect and represent data in a bar chart * Simple two way tables | |
| **Key Vocabulary** |  |  |  |  |  |  |

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| **Year 4** | **Autumn Term** | | **Spring Term** | | **Summer Term** | |
| **Number – Number and Place Value** | **Textbook 4A**  **Unit 1, Place value - 4-digit numbers**   * Represent and partition numbers to 1,000 * Number line to 1000 * Multiples of 1000 * 4 digit numbers * Partition 4 digit numbers flexibly * 1, 10, 100, 100 more or less * 1000s, 100s, 10s, 1s   **Unit 2, Place value - 4-digit numbers**   * Number line to 10,000 * Between two multiples * Estimate on a number line to 10,000 * Compare and order numbers to 10,000 * Round to the nearest 1000 * Round to the nearest 100 * Round to the nearest 10 * Round to the nearest 1000, 100 or 10 | | **Textbook 4B** | | **Textbook 4C** | |
| **Number – Addition and Subtraction** | **Unit 3, Addition and subtraction**   * Add and subtract 1s, 10s, 100s, 1000s * Add two 4 digit numbers – one exchange * Add with more than one exchange * Subtract two 4 digit numbers * Subtract two 4 digit numbers - one exchange * Subtract two 4 digit numbers - more than one exchange * Exchange across two columns * Efficient methods * Equivalent difference * Estimate answers * Check strategies * Problem solving – one step * Problem solving – comparison * Problem solving – two steps * Problem solving – multi step | |  | |  | |
| **Number - Multiplication & Division** | **Unit 5, Multiplication and division**   * Multiples of 3 * Multiply and divide by 6 * 6 times-tables and division facts * Multiply and divide by 9 * 9 times-tables and division facts * The 3, 6 & 9 times-tables * Multiply and divide by 7 * 7 times-tables and division facts * 11 and 12 times-tables and division facts * Multiply by 1 and 0 * Divide by 1 and itself * Multiply three numbers | | **Unit 6, Multiplication and division**   * Factor pairs * Multiply and divide by 10 * Multiply and divide by 100 * Related facts – multiplication * Related facts – division * Multiply and add * Informal written methods * Multiply 2 digit by 1 digit * Multiply 3 digit by 1 digit * Solve multiplication problems * Basic division * Division and remainders * Divide 2 digit numbers * Divide 3 digit numbers * Correspondence problems * Efficient multiplication | |  | |
| **Number - Fractions** |  | | **Unit 8, Fractions**   * Count beyond 1 * Partition a mixed number * Number lines with mixed numbers * Compare and order mixed numbers * Convert mixed numbers to improper fractions * Convert improper fractions to mixed numbers * Equivalent fractions * Equivalent fraction families * Simplify fractions   **Unit 9, Fractions**   * Add and subtract two or more fractions * Add fractions and mixed numbers * Subtract from mixed numbers * Subtract from whole amounts * Problem solving – add and subtract fractions * Fraction of an amount * Problem solving – fraction of an amount | |  | |
| **Number – Fractions, Decimals and Percentages** |  | | **Unit 10, Decimals**   * Tenths as fractions * Tenths as decimals * Tenths on a place value grid * Tenths on a number line * Divide 1 digit by 10 * Divide 2 digits by 10 * Hundredths as fractions * Hundredths as decimals * Hundredths on a place value grid * Divide 1 or 2 digits by 100 * Divide by 10 and 100 | | **Unit 11, Decimals**   * Make a whole * Partition decimals * Flexibly partition decimals * Compare decimals * Order decimals * Round to the nearest whole * Halves and quarters as decimals | |
| **Geometry –**  **Properties of**  **Shape** |  | |  | | **Unit 14, Geometry – angles and 2D shapes**   * Identify angles * Compare and order angles * Triangles * Quadrilaterals * Polygons * Reason about polygons * Lines of symmetry * complete a symmetric figure | |
| **Geometry – Position and Direction** |  | |  | | **Unit 16, Geometry – position and direction**   * Describe position * Describe position using coordinates * Plot coordinates * Draw 2D shapes on a grid * Translate on a grid * Describe translation on a grid | |
| **Measurement** | **Unit 4, Measure - area**   * What is area? * Measure area using squares * Count squares * Make shapes * Compare area | | **Unit 7, Length and perimeter**   * Measure in km and m * Perimeter on a grid * Perimeter of a rectangle * Perimeter of rectilinear shapes * Find missing lengths in rectilinear shapes * Perimeters of polygons | | **Unit 12, Money**   * Write money using decimals * Convert between pounds and pence * Compare amounts of money * Estimate with money * Calculate with money * Solve problems with money   **Unit 13, Time**   * Years, months, weeks and days * Hours, minutes and seconds * Convert between analogue and digital times * Convert to the 24 hour clock * Problem solving – convert units of time | |
| **Statistics** |  | |  | | **Unit 15, Statistics**   * Interpret charts * Solve problems with charts * Interpret line graphs * Draw line graphs | |
| **Key Vocabulary** |  |  |  |  |  |  |

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| **Year 5** | **Autumn Term** | | **Spring Term** | | **Summer Term** | |
| **Number – Number and Place Value** | **Textbook 5A**  **Unit 1, Place value within 1,000,000**   * Roman numerals * Numbers to 10,000 * Numbers to 100,000 * Numbers to 1,000,000 * Read and write 5- and 6-digit numbers * Powers of 10 * 10/100/1,000/ 10,000/100,000 more or less * Partition numbers to 1,000,000   **Unit 2, Place value within 1,000,000**   * Number line to 1,000,000 * Compare and order numbers to 100,000 * Compare and order numbers to 1,000,000 * Round numbers to the nearest 100,000 * Round numbers to the nearest 10,000 * Round numbers to the nearest 10, 100 and 1,000 | | **Textbook 5B** | | **Textbook 5C**  **Unit 15, Negative numbers**   * Understand negative numbers * Count through zero * Compare and order negative numbers * Find the difference | |
| **Number – Addition and Subtraction** | **Unit 3, Addition and subtraction**   * Mental strategies (addition) * Mental strategies (subtraction) * Add whole numbers with more than 4 digits * Subtract whole numbers with more than 4 digits * Round to check answers * Inverse operations (addition and subtraction) * Multi-step addition and subtraction problems * Solve missing number problems * Solve comparison problems | |  | |  | |
| **Number - Multiplication & Division** | **Unit 4, Multiplication and division**   * Multiples * Common multiples * Factors * Common factors * Prime numbers * Square numbers * Cube numbers * Multiply by 10, 100 and 1,000 * Divide by 10, 100 and 1,000 * Multiples of 10, 100 and 1,000 | | **Unit 7, Multiplication and division**   * Multiply a number up to 4 digits by a 1-digit number * Multiply 2-digit numbers (area model) * Multiply 2-digit numbers * Multiply a 3-digit number by a 2-digit number * Multiply a 4-digit number by a 2-digit number * Divide a number up to 4 digits by a 1-digit number * Divide with remainders * Efficient division * Solve problems with multiplication and division | |  | |
| **Number - Fractions** | **Unit 5, Fractions**   * Equivalent fractions * Equivalent fractions – unit and non-unit fractions * Equivalent fractions – families of equivalent fractions * Improper fractions to mixed numbers * Mixed numbers to improper fractions * Compare fractions less than 1 * Order fractions less than 1 * Compare and order fractions greater than 1   **Unit 6, Fractions**   * Add and subtract fractions * Add fractions within 1 * Add fractions with total greater than 1 * Add to a mixed number * Add two mixed numbers * Subtract fractions within 1 * Subtract from a mixed number * Subtract from a mixed number – breaking the whole * Subtract two mixed numbers * Solve fraction problems * Solve multi-step fraction problems | | **Unit 8, Fractions**   * Multiply unit fractions by an integer * Multiply non-unit fractions by an integer * Multiply mixed numbers by integers * Fraction of an amount * Finding the whole * Using fractions as operators | |  | |
| **Number – Fractions, Decimals and Percentages** |  | | **Unit 9, Decimals and percentages**   * Write decimals up to 2 decimal places – less than 1 * Write decimals up to 2 decimals places – greater than 1 * Equivalent fractions and decimals – tenths * Equivalent fractions and decimals – hundredths * Equivalent fractions and decimals * Thousandths as fractions * Thousandths as decimals * Thousandths on a place value grid * Compare and order decimals – same number of decimal places * Compare and order any decimals with up to 3 decimal places * Round to the nearest whole number * Round to one decimal place * Understand percentages * Percentages as fractions and decimals * Equivalent fractions, decimals and percentages | | **Unit 14, Decimals**   * Add and subtract decimals within 1 * Complements to 1 * Add and subtract decimals across 1 * Add decimals with the same number of decimal places * Subtract decimals with the same number of decimal places * Add decimals with a different number of decimal places * Subtract decimals with a different number of decimal places * Problem solving with decimals * Decimal sequences * Multiply by 10 * Multiply by 10, 100 and 1,000 * Divide by 10 * Divide by 10, 100 and 1,000 | |
| **Geometry –**  **Properties of**  **Shape** |  | |  | | **Unit 12, Geometry – properties of shapes**   * Understand and use degrees * Measure acute angles * Measure angles up to 180° * Draw lines and angles accurately * Calculate angles around a point * Calculate angles on a straight line * Lengths and angles in shapes * Regular and irregular polygons * Parallel lines * Perpendicular lines * Investigate lines * 3D shapes | |
| **Geometry – Position and Direction** |  | |  | | **Unit 13, Geometry – position and direction**   * Read and plot coordinates * Problem solving with coordinates * Translate shapes * Translate points * Reflection * Reflection in horizontal and vertical lines | |
| **Measurement** |  | | **Unit 10, Measure – perimeter and area**   * Perimeter of rectangles * Perimeter of rectilinear shapes * Perimeter of polygons * Area of rectangles * Area of compound shapes * Estimate area | | **Unit 16, Measurement – converting units**   * Kilograms and kilometres * Millimetres and millilitres * Convert units of length * Imperial units of length * Imperial units of mass * Imperial units of capacity * Convert units of time * Timetables – calculating * Problem solving – units of measure   **Unit 17, Volume**   * Cubic centimetres * Compare volumes * Estimate volume | |
| **Statistics** |  | | **Unit 11, Graphs and tables**   * Draw line graphs * Read and interpret line graphs * Read and interpret tables * Two-way tables * Timetables | |  | |
| **Key Vocabulary** |  |  |  |  |  |  |

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| **Year 6** | **Autumn Term** | | **Spring Term** | | **Summer Term** | |
| **Number – Number and Place Value** | **Textbook 6A**  **Unit 1, Place value to 10,000,000**   * Numbers to 1,000,000 * Numbers to 10,000,000 * Partition numbers to 10,000,000 * Powers of 10 * Number line to 10,000,000 * Compare and order any number * Round any number * Negative numbers | | **Textbook 6B** | | **Textbook 6C** | |
| **Number – Addition, Subtraction, Multiplication & Division** | **Unit 2, Four operations**   * Add integers * Subtract integers * Problem solving – addition and subtraction * Common factors * Common multiples * Rules of divisibility * Primes to 100 * Squares and cubes   **Unit 3, Four operations**   * Multiply by a 1-digit number * Multiply up to a 4-digit number by a 2-digit number * Short division * Division using factors * Divide a 3-digit number by 2-digit (long division) * Divide a 4-digit number by 2-digit (long division) * Long division with remainders * Order of operations * Brackets * Mental calculations * Reason from known facts | |  | | **Unit 15, Problem solving**   * Problem solving - place value * Problem solving – negative numbers * Problem solving – addition and subtraction * Problem solving – four operations * Problem solving – fractions * Problem solving –decimals * Problem solving – percentages * Problem solving – ratio and proportion * Problem solving – time * Problem solving – position and direction * Problem solving – properties of shapes | |
| **Number - Fractions** | **Unit 4, Fractions**   * Equivalent fractions and simplifying * Equivalent fractions on a number line * Compare and order fractions * Add and subtract simple fractions * Add and subtract any two fractions * Add mixed numbers * Subtract mixed numbers * Multi-step problems * Problem solving - add and subtract fractions | |  | |  | |
| **Number – Fractions, Decimals and Percentages** | **Unit 5, Fractions**   * Multiply fractions by integers * Multiply fractions by fractions * Divide a fraction by an integer * Mixed questions with fractions * Fraction of an amount * Fraction of an amount – find the whole | | **Unit 9, Decimals**   * Place value to 3 decimal places * 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 * Fractions to decimals * Fractions as division   **Unit 10, Percentages**   * Understand percentages * Fractions to percentages * Equivalent fractions, decimals and percentages * Order fractions, decimals and percentages * Simple percentage of an amount * Percentage of an amount – 1% * Percentages of an amount * Percentages (missing values) | |  | |
| **Geometry –**  **Properties of**  **Shape** |  | |  | | **Unit 13, Geometry - properties of shape**   * Measure and classify angles * Vertically opposite angles * Angles in a triangle * Angles in a triangle – missing angles * Angles in a triangle – special cases * Angles in quadrilaterals * Angles in polygons * Circles * Parts of a circle * Draw shapes accurately * Nets of 3D shapes | |
| **Geometry – Position and Direction** |  | |  | | **Unit 14, Geometry – position and direction**   * The first quadrant * Read and plot points in four quadrants * Translations * Reflections * Solve problems with coordinates | |
| **Measurement** | **Unit 6, Measure – imperial and metric measures**   * Metric measures * Convert metric measures * Calculate with metric measures * Miles and kilometres * Imperial measures | | **Unit 11, Measure – perimeter, area and volume**   * Shapes – same area * Area and perimeter * Area and perimeter – missing lengths * Area of a triangle – counting squares * Area of a right-angled triangle * Area of any triangle * Area of a parallelogram * Problem solving – area * Problem solving – perimeter * Volume – count cubes * Volume of a cuboid | |  | |
| **Ratio and Proportion** | **Unit 7, Ratio and proportion**   * Use ratio language * Introduce the ratio symbol * Use ratio * Scale drawing * Scale factors * Similar shapes * Ratio problems * Problem solving – ratio and proportion | |  | |  | |
| **Algebra** |  | | **Unit 8, Algebra**   * Find a rule – one step * Find a rule – two steps * Form expressions * Substitution * Formulae * Form and solve equations * Solve one-step equations * Solve two-step equations * Find pairs of values * Solve problems with two unknowns | |  | |
| **Statistics** |  | |  | | **Unit 12, Statistics**   * Interpret line graphs * Draw line graphs * Advanced bar charts * Understand and complete pie charts * Read and interpret pie charts * Pie charts and fractions * Pie charts and percentages * Introduction to the mean * Calculate the mean * Problem solving – mean | |
| **Key Vocabulary** |  |  |  |  |  |  |