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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 namesCount, forwards. Backwards, how many, total, altogether, five frame, same, different, next, after, arrange | Number namesCount, forwards. Backwards, how many, total, altogether, five frame, same, different, more, fewer, every, represent, match, sort, compare, equal, greater, less | Number namesCount, 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** |  |  |  |  |  |  |