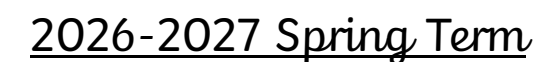
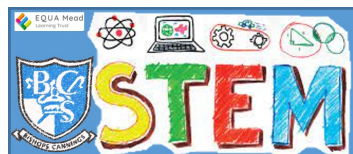




|           | Week 1                                                                                                        | Week 2                                                                                                                        | Week 3                                                                                                                                                                                                                     | Week 4                                                                                          | Week 5                                                                                                                       | Week 6                                                                                                                                  | Week 7                                                                                                                                                | Week 8                                                                                                                     | Week 9                                                                                                                             | Week 10                                                                                                                                                                                    | Week 11                                                                                          | Week 12                                                                                 |
|-----------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Reception | Getting to know you!                                                                                          |                                                                                                                               | NCETM: Mastering Number: <b>Number:</b><br>Subitise and count. Composition of numbers within 5. Connect quantities and numbers to finger patterns. Compare sets of objects by matching. Begin to develop language of whole |                                                                                                 |                                                                                                                              |                                                                                                                                         |                                                                                                                                                       |                                                                                                                            |                                                                                                                                    |                                                                                                                                                                                            |                                                                                                  |                                                                                         |
|           |                                                                                                               |                                                                                                                               | NCETM: Mastering Number: <b>Measure Shape and spatial Thinking:</b><br>Language of comparison. Spatial language including prepositions: in, on, under, next to, between. Language related to movement: turn, flip          |                                                                                                 |                                                                                                                              |                                                                                                                                         |                                                                                                                                                       |                                                                                                                            |                                                                                                                                    |                                                                                                                                                                                            |                                                                                                  |                                                                                         |
| Year 1    | Number: Place value (within 10)                                                                               |                                                                                                                               |                                                                                                                                                                                                                            |                                                                                                 |                                                                                                                              | Number: Addition and Subtraction (within 10)                                                                                            |                                                                                                                                                       |                                                                                                                            |                                                                                                                                    |                                                                                                                                                                                            | Geometry: Shape                                                                                  | Consolidation                                                                           |
|           | Sort and count objects., Count, read and write forwards and back                                              | Count, read and write forwards and back                                                                                       | One more, one less within 10                                                                                                                                                                                               | Compare using language and symbols = <>                                                         | Introduce ordinal numbers (1st, 2nd 3rd)Order groups of objects then numbers.                                                | Part whole model and addition symbol.                                                                                                   | Number bonds for numbers within 10. Finding a part                                                                                                    | Subtraction by crossing out. Subtraction symbol.                                                                           | Subtraction,- finding a part, counting back.                                                                                       | Fact families—the eight facts                                                                                                                                                              | Recognise, name and sort 2D and 3D shapes. Patterns with shape.                                  |                                                                                         |
| Year 2    | Number: Place Value                                                                                           |                                                                                                                               |                                                                                                                                                                                                                            |                                                                                                 | Number: Addition and Subtraction                                                                                             |                                                                                                                                         |                                                                                                                                                       |                                                                                                                            |                                                                                                                                    | Geometry: Properties of Shape                                                                                                                                                              |                                                                                                  |                                                                                         |
|           | Counting forward and backwards within 20, then 50. Count objects to 100 Use a Place Value Chart               | Numbers to 100 read / write numerals and words. Represent numbers to 100 using a part-part-whole model and place value chart. | Understanding tens and ones within 100 Compare numbers on number line                                                                                                                                                      | Compare number and objects. Order objects and numbers. Count in 2s. 5s, 10s and 3s.             | Bonds to 10 Fact families - addition and subtraction bonds to 20 Related facts Bonds to 100 (tens) Add and subtract 1s       | Add by making 10 Add 3 1-digit numbers Add to the next 10 Add across a 10 Subtraction - crossing 10                                     | Subtract from a 10 Subtract a 1 digit number from a 2 digit (across a 10) 10 more, 10 less Add and subtract 10s Add 2 2 digit numbers not crossing 10 | Add two 2-digit numbers across a ten Subtract 2 2-digit numbers - not crossing ten Subtract 2 2-digit numbers crossing ten | Mixed addition and subtraction Compare number sentences Missing number problems                                                    | Recognise 2D and 3D shapes Count sides on 2D shapes Count vertices on 2D shapes Draw 2D shapes                                                                                             | Lines of symmetry Lines of symmetry - draw the whole Sort 2D shapes Make patterns with 2D shapes | Count face, edges and vertices on 3D shapes Sort 3D shapes Make patterns with 3D shapes |
| Year 3    | Number: Place Value                                                                                           |                                                                                                                               |                                                                                                                                                                                                                            | Number: Addition and Subtraction                                                                |                                                                                                                              |                                                                                                                                         |                                                                                                                                                       |                                                                                                                            | Number: Multiplication and Division                                                                                                |                                                                                                                                                                                            |                                                                                                  |                                                                                         |
|           | Represent numbers to 100 Partition numbers to 100 Number line to 100 Hundreds Represent numbers to 1000       | Partition numbers to 1000 Flexible partitioning of numbers to 1000 Hundreds, tens and ones Find 1, 10, 100, 1000 more or less | Number line to 1000 Estimate on a number line to 1000 Compare numbers to 1000 Order numbers to 1000 Count in 50s                                                                                                           | Apply number bonds within 10 +/- 1s +/- 10s +/- 100s Spot the pattern                           | Add 1s across a 10 Add 10s across a 100 Subtract 1s across a 10 Subtract 10s across a 100                                    | Make connections Add 2 number (no exchange) Subtract 2 numbers (no exchange) Add 2 numbers across a 10                                  | Subtract 2 numbers across a 10 Add 2 numbers across a 100 Subtract 2 numbers across a 10 Add 2 digit and 3 digit numbers                              | Subtract a 2 digit from a 3 digit number Complements to 100 Estimate answers Inverse operations Make decisions             | Multiplication -equal groups Using arrays Multiples of 2 Multiples of 5 and 10                                                     | Sharing and grouping Multiply by 3 Divide by 3 3 Times table                                                                                                                               | Multiply by 4 Divide by 4 4 times table Multiply by 8                                            | Divide by 8 8 times table 2, 4 and 8 times table                                        |
| Year 4    | Number: Place Value                                                                                           |                                                                                                                               |                                                                                                                                                                                                                            | Number: Addition and Subtraction                                                                |                                                                                                                              |                                                                                                                                         | Measurement: Area                                                                                                                                     | Number: Multiplication and Division                                                                                        |                                                                                                                                    |                                                                                                                                                                                            | Consolidation                                                                                    |                                                                                         |
|           | Represent numbers to 1000 Partition numbers to 1000 Number line to 1000 Thousands Represent numbers to 10,000 | Partition numbers to 10,000 Flexible partitioning Find 1, 10, 100, 1000 more or less Number line to 10,000                    | Estimate on a number line Compare numbers to 10,000 Order numbers to 10000 Roman numerals                                                                                                                                  | Round to nearest 10 Round to nearest 100 Round to nearest 1000 Round to nearest 10, 100 or 1000 | Add and subtract 1s, 10s, 100s and 1,000s Add up to two 4-digit numbers - no exchange Add two 4-digit numbers - one exchange | Add two 4-digit numbers - more than one exchange Subtract two 4-digit numbers - no exchange Subtract two 4-digit numbers - one exchange | Subtract two 4-digit numbers - more than one exchange Efficient subtraction Estimate answers Checking Strategies                                      | What is area? Count squares Make shapes Compare areas                                                                      | Multiples of 3 Multiply and divide by 6 6 times table and division facts Multiply and divide by 9 9 times table and division facts | 3, 6 & 9 times tables Multiply and divide by 7 7 times table and division facts 11 times table and division facts 12 times table and division facts                                        | Multiply by 1 and 0 Divide a number by 1 and itself Multiply 3 numbers                           |                                                                                         |
| Year 5    | Number: Place Value                                                                                           |                                                                                                                               | Number: Decimals and fractions                                                                                                                                                                                             |                                                                                                 | Number: Addition and Subtraction                                                                                             |                                                                                                                                         | Number: Decimals and fractions                                                                                                                        | Number: Multiplication and Division                                                                                        |                                                                                                                                    | Measurement: imperial and metric Perimeter and area                                                                                                                                        |                                                                                                  |                                                                                         |
|           | Place value in 5 digit numbers Place 5-digit numbers on a line and rounding                                   | Place 6 digit numbers on a line and rounding Deepen understanding of 6 digit numbers                                          | Divide by 10/100, 2-place decimals 1 & 2 place decimals on a line and compare                                                                                                                                              | Add/subtract multiples of 0.1/0.01 Subtract decimals with 1 or 2 places                         | Column addition (4 and 5 digit) Decimal and Money calculation                                                                | Column subtraction—choose a strategy Revise addition and subtraction                                                                    | Mixed numbers and fractions of amounts Equivalent & Simplify fractions Adding and subtracting fractions                                               | Multiples, factors and word problems Primes, divisibility and mental strategies.                                           | Grid method and short multiplication Division of big numbers with vertical layout                                                  | Understand metric and imperial units Timetables and intervals—24 hour clock Perimeters—composite and rectilinear Regular and irregular areas and volumes Temperature and negative numbers. |                                                                                                  |                                                                                         |
| Year 6    | Number: Place Value, + & -                                                                                    |                                                                                                                               | Number: Decimals and fractions                                                                                                                                                                                             |                                                                                                 | Algebra                                                                                                                      | Number: Multiplication and Division                                                                                                     |                                                                                                                                                       | Number: Decimals and fractions                                                                                             | Geometry: Properties of Shape                                                                                                      |                                                                                                                                                                                            | Number: Place Value, + & -                                                                       |                                                                                         |
|           | Place value in 6 digit numbers 6 digit on number lines and rounding Column addition and estimation            | Column subtraction and estimation Mental and written calculation strategies                                                   | Add and subtract decimals Subtract 1 dp and 2dp decimals                                                                                                                                                                   | Understand decimals with 3dp Add/ subtract multiples of 0.1, 0.01, 0.001                        | Generate and use formulae Solve equations with 2 unknowns Generate and continue linear sequences                             | Multiples, factors and prime numbers Solve short multiplication problems                                                                | Use short division to solve problems Long division problems Formal and informal calculation strategies                                                | Decimals, fractions: compare and order Equivalent fractions: add and subtract                                              | 2D shapes (circles and quadrilaterals) Draw, translate and reflect polygons                                                        | Draw 2D shapes; find missing angles Construct 3D shapes using nets                                                                                                                         | Add, subtract and round 6/7 digit numbers Understand/ calculate negative numbers                 | Strategies in mental and written calculation Use brackets and order of operations       |





|           | Week 1                                                                                                                                                                                                                                                                                                                                          | Week 2                                                                                                                                        | Week 3 | Week 4                                                                                                                                                                                                      | Week 5 | Week 6                                                                                                                                                                                                                                                          | Week 7                                                                                                                                                                                       | Week 8                                                                                                                                                                                | Week 9                                                                                                                                                                                                                   | Week 10                                                                                                                                                                                                 | Week 11                                                                                                                  | Week 12                                                                                                                                                                                         |
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| Reception | <p><b>NCETM Mastering Number: Number:</b><br/>Secure knowledge of number facts through varied practice. Further develop counting skills. Explore range of representations including 10-frame. Compare quantities of numbers. Develop sense of magnitude. Explore '1 more, 1 less'. Develop conceptual subitising including use of rekenrek.</p> |                                                                                                                                               |        |                                                                                                                                                                                                             |        |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                              |                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                                                                                                                                         |                                                                                                                          | <u>Consolidation</u>                                                                                                                                                                            |
|           | <p><b>NCETM: Mastering Number: Measure Shape and spatial Thinking:</b><br/>Notice and visualise patterns. Compare lengths, heights and mass, noticing similarities and differences and using prepositional language.</p>                                                                                                                        |                                                                                                                                               |        |                                                                                                                                                                                                             |        |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                              |                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                                                                                                                                         |                                                                                                                          |                                                                                                                                                                                                 |
| Year 1    | <u>Number: Multiplication and Division</u><br><br>Count in 2s, 5s and 10s<br><br>Make and add equal groups.<br>Make arrays                                                                                                                                                                                                                      |                                                                                                                                               |        | <u>Number: Fractions</u><br><br>Find a half of a shape and a number.<br><br>Find a quarter of a shape and a number.                                                                                         |        | <u>Position and Direction</u><br><br>Left and right turns, positions<br>Forwards and backwards, above and below                                                                                                                                                 | <u>Number: Place Value (within 100)</u><br><br>counting forwards and backwards within 100, partitioning numbers,<br><br>comparing numbers.<br>Ordering numbers within 100, One more/one less |                                                                                                                                                                                       | <u>Measurement: money</u><br><br>Unitising<br>Recognising British coins and notes.<br>Counting in coins.                                                                                                                 | <u>Measurement: Time</u><br><br>Before and after, dates, Days of the week, Months of the year<br><br>Writing and comparing time<br>Time to the hour and half hour.                                      |                                                                                                                          | <u>Consolidation</u>                                                                                                                                                                            |
| Year 2    | <u>Number: Fractions</u><br><br>Introduction to parts and whole<br>Equal and unequal parts<br>Recognise a half<br>Find a half<br>Recognise a quarter                                                                                                                                                                                            |                                                                                                                                               |        | <u>Measurement: Time</u><br><br>O'clock and half past<br>Quarter past and quarter to<br>Tell time past the hour<br><br>Tell time to the hour<br>Telling time to 5 minutes                                   |        | <u>Statistics</u><br><br>Make tally charts<br>Tables<br>Block diagrams<br>Draw pictograms (1-1)                                                                                                                                                                 |                                                                                                                                                                                              | <u>Geometry: Position and Direction</u><br><br>Language of position<br>Describe movement<br>Describe turns                                                                            |                                                                                                                                                                                                                          | <u>Consolidation</u><br><br>Describing movement and turns<br>Shape patterns with turns                                                                                                                  |                                                                                                                          |                                                                                                                                                                                                 |
| Year 3    | <u>Number: Fractions</u><br><br>Add fractions<br>Subtract fractions<br>Partition the whole<br><br>Unit fractions of a set of objects<br>Non-unit fractions of a set of objects<br>Reasoning with fractions of an amount                                                                                                                         |                                                                                                                                               |        | <u>Measurement: Money</u><br><br>Pounds and pence<br>Convert pounds and pence<br>Add money<br><br>Subtract money<br>Find change                                                                             |        | <u>Measurement: Time</u><br><br>Roman numerals to 12<br>Tell the time to 5 minutes<br>Tell the time to the minute<br>Read time on a digital clock<br><br>Use a.m. and p.m.<br>Years, months and days<br>Days and hours<br>Hours and minutes—start and end times |                                                                                                                                                                                              | <u>Geometry: Properties of Shape</u><br><br>Turns in angles<br>Right angles<br>Compare angles<br>Measure and draw accurately<br>Horizontal and vertical<br>Parallel and perpendicular |                                                                                                                                                                                                                          | <u>Statistics</u><br><br>Recognise and describe 2D shapes<br>Draw polygons<br>Recognise and describe 3D shapes<br>Make 3D shapes<br><br>Interpret pictograms<br>Draw pictograms<br>Interpret bar charts |                                                                                                                          | <u>Consolidation</u><br><br>Draw bar charts<br>Collect and represent data<br>Two-Way tables                                                                                                     |
| Year 4    | <u>Number: decimals</u><br><br>Make a whole with tenths<br>Make a whole with hundredths<br>Partition decimals<br>Flexibly partition decimals<br><br>Compare decimals<br>Order decimals<br>Round to the nearest whole number<br>Halves and quarters as decimals                                                                                  |                                                                                                                                               |        | <u>Measurement: Money</u><br><br>Write money using decimals<br>Convert between pounds and pence<br>Compare amounts of money<br><br>Estimate with money<br>Calculate with money<br>Solve problems with money |        | <u>Measurement: Time</u><br><br>Years, months, weeks and days<br>Hours, minutes and seconds<br>Convert between analogue and digital times<br><br>Convert to the 24 hour clock<br>Convert from the 24 hour clock                                                 |                                                                                                                                                                                              | <u>Consolidation</u>                                                                                                                                                                  | <u>Geometry: Properties of Shape</u><br><br>Understand angles as turns<br>Identify angles<br>Compare and order angles<br>Triangles<br><br>Quadrilaterals<br>Polygons<br>Lines of symmetry<br>Complete a symmetric figure |                                                                                                                                                                                                         | <u>Statistics</u><br><br>Interpret charts<br>Comparison, sum and difference<br>Interpret line graphs<br>Draw line graphs | <u>Geometry: Position and Direction</u><br><br>Describe position using coordinates<br>Plot coordinates<br>Draw 2D shapes on a grid<br><br>Translate on a grid<br>Describe translation on a grid |
| Year 5    | <u>Number: Place Value</u><br><br>Negative numbers<br>Counting through zero<br>Place value in 6 digit numbers<br>Identify and write Roman numerals                                                                                                                                                                                              | <u>Number: decimals</u><br><br>Place value in 3 digit decimals<br>Compare and use 3 place decimals<br>Subtract decimal numbers by counting up |        | <u>Number: Multiplication and Division</u><br><br>Mental multiplication and division problems<br>Problems with multiples, factors and scaling<br>Grid, short and long multiplications                       |        | <u>Number: Addition and Subtraction</u><br><br>Mental addition and subtraction strategies revision<br>Column addition—whole/decimal numbers and money<br>Choose subtraction method: column/counting up etc.                                                     |                                                                                                                                                                                              | <u>Measurement: Time &amp; Statistics</u><br><br>24 hour timetables<br>Calculate time intervals<br><br>Draw line graphs and conversion tables<br>Concept of rate with line graphs     |                                                                                                                                                                                                                          | <u>Number: Fractions and percentages</u><br><br>Begin to understand percentages<br>Add/subtract fractions with related denominators<br>Multiply fractions by whole numbers                              |                                                                                                                          | <u>Number: x and ÷</u><br><br>Division problems with short division<br>Solve long multiplication problems                                                                                       |
| Year 6    | <u>Revision Menu A</u><br><br>Understanding decimals, including negatives<br>Add/subtract whole numbers, solve problems<br><br>Mental strategies; written multiplication<br>Mental multiplication and division; ratio                                                                                                                           |                                                                                                                                               |        | <u>Exploration in maths</u><br><br>Explore a million<br>Number games and puzzles<br>History of maths                                                                                                        |        | <u>Maths around us</u><br><br>Measuring ourselves and around us<br>Tessellation and other shape patterns<br>Ratios in nature and art                                                                                                                            |                                                                                                                                                                                              | <u>Puzzles and patterns</u><br><br>Calculator patterns<br>Number puzzles<br>Number patterns                                                                                           |                                                                                                                                                                                                                          | <u>Maths project and transition activities</u><br><br>Varying dependent on Year group<br>Theme Park Project                                                                                             |                                                                                                                          |                                                                                                                                                                                                 |