| St. Peter's Year 3/4 N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | laths Curriculum – Year A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | rce value                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Autumn 1     Autumn 2     9       Unit     1     2     4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Spring 1     Spring 2     Summer 1     Summer 2       3     4     5     6     7     8     9     10     11     12     13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | btraction Other                                                                               |
| Year 3 and 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | NC Objectives                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Language                                                                                      |
| <ul> <li>NCETM Year 3 Unit 1 - Adding and subtracting across 10</li> <li>2AS-1 Add and subtract across 10.</li> <li>3NF-1 Secure fluency in addition and subtraction facts that bridge 10 through continued practice.</li> <li>1.11 Addition and subtraction: bridging 10</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <ul> <li>Y3 Number – Addition and Subtraction</li> <li>Solve problems with addition and subtraction: <ul> <li>using concrete objects and pictorial representations, including those involving numbers, quantities and measure applying their increasing knowledge of mental and written methods</li> <li>adding three one-digit numbers</li> <li>show that addition of two numbers can be done in any order (commutative) and subtraction of one number from cannot</li> <li>recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 (NC Y2 NC Non Statutory Notes</li> </ul> </li> <li>Non Statutory Notes</li> <li>NAS - Pupils extend their understanding of the language of addition and subtraction to include sum and difference.</li> <li>NAS - Pupils practise addition and subtraction to 20 to become increasingly fluent in deriving facts such as using 3 + 7 = 10; = 10 - 3 to calculate 30 + 70 = 100; 100 - 70 = 30 and 70 = 100 - 30. They check their calculations, including by adding to ch and adding numbers in a different order to check addition (for example, 5 + 2 + 1 = 1 + 5 + 2 = 1 + 2 + 5). This establishes co associativity of addition.</li> <li>NB – This will be taught as an over teach unit in both the Year A and Year B cycle.</li> </ul> | 25<br>m another<br><u>CETM Y3)</u><br>10 - 7 = 3 and 7<br>neck subtraction<br>mmutativity and |
| <ul> <li>NCETM Year 3 Unit 2 - Numbers to 1,000</li> <li>3NPV-1 Know that 10 tens are equivalent to 1 hundred, and that 100 10 times the size of 10; apply this to identify and work out how many 10s there are in other three-digit multiples of 10.</li> <li>3NPV-2 Recognise the place value of each digit in three-digit number and compose and decompose three-digit numbers using standard an non-standard partitioning.</li> <li>3NPV-3 Reason about the location of any three-digit number in the linear number system, including identifying the previous and next multiple of 100 and 10.</li> <li>3NPV-4 Divide 100 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 100 with 2, 4, 5 and 10 equal parts.</li> <li>3AS-1 Calculate complements to 100.</li> <li>3NF-3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 10).</li> <li>1.17 Composition and calculation: 100 and bridging 100</li> <li>1.18 Composition and calculation: three-digit numbers</li> </ul> | Y3 Number – Number and Place Value         • count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number         • recognise the place value of each digit in a three-digit number (hundreds, tens, ones)         • compare and order numbers up to 1000         • identify, represent and estimate numbers using different representations         • read and write numbers up to 1000 in numerals and in words         • solve number problems and practical problems involving these ideas         Number Addition and Subtraction         • recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 (NC Y2 NC         Measurement         • measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)         Non Statutory Notes         NPV - Pupils now use multiples of 2, 3, 4, 5, 8, 10, 50 and 100.                                                                                                                                                                                                                                                                                                                                                                                                | <u>CETM Y3)</u>                                                                               |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <ul> <li>NPV - They use larger numbers to at least 1000, applying partitioning related to place value using varied and increasingly complex problems, building on work in year 2 (for example, 146 = 100 + 40 and 6, 146 = 130 + 16).</li> <li>NPV - Using a variety of representations, including those related to measure, pupils continue to count in ones, tens and hundreds, so that they become fluent in the order and place value of numbers to 1000.</li> <li>M - Pupils continue to measure using the appropriate tools and units, progressing to using a wider range of measures, including comparing and using mixed units (for example, 1 kg and 200g) and simple equivalents of mixed units (for example, 5m = 500cm).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|   | <ul> <li>4NPV-1 Know that 10 hundreds are equivalent to 1 thousand, and that 1,000 is 10 times the size of 100; apply this to identify and work out how many 100s there are in other four-digit multiples of 100.</li> <li>4NPV-2 Recognise the place value of each digit in four-digit numbers, and compose and decompose four-digit numbers using standard and non-standard partitioning.</li> <li>4NPV-3 Reason about the location of any four-digit number in the linear number system, including identifying the previous and next multiple of 1,000 and 100, and rounding to the nearest of each.</li> <li>4NPV-4 Divide 1,000 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 1,000 with 2, 4, 5 and 10 equal parts.</li> <li>4NF-3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100).</li> <li>1.22 Composition and calculation: 1,000 and four-digit numbers</li> </ul> | <ul> <li>count in multiples of 6, 7, 9, 25 and 1000</li> <li>find 1000 more or less than a given number</li> <li>recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)</li> <li>order and compare numbers beyond 1000</li> <li>identify, represent and estimate numbers using different representations</li> <li>round any number to the nearest 10, 100 or 1000</li> <li>solve number and practical problems that involve all of the above and with increasingly large positive numbers</li> <li>Number - Addition and Subtraction         <ul> <li>add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate</li> <li>estimate and use inverse operations to check answers to a calculation</li> <li>solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</li> </ul> </li> <li>Non Statutory Notes</li> <li>NPV - Using a variety of representations, including measures, pupils become fluent in the order and place value of numbers beyond 1000, including counting in tens and hundreds, and maintaining fluency in other multiples through varied and frequent practice.</li> </ul> |  |
|   | <ul> <li>NCETM Year 3 Unit 5 - Column addition (Including NCETM Year<br/>4 Unit 1 - review of Column addition)</li> <li>3AS-2 Add and subtract up to three-digit numbers using columnar<br/>methods.</li> <li>1.20 Algorithms: column addition</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <ul> <li>NPV - They connect estimation and rounding numbers to the use of measuring instruments</li> <li>NAS - Pupils continue to practise both mental methods and columnar addition and subtraction with increasingly large numbers to aid fluency (see <u>Mathematics Appendix 1</u>)</li> <li>Number - Addition and Subtraction         <ul> <li>add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction (Y3)</li> <li>estimate the answer to a calculation and use inverse operations to check answers (Y3 and Y4)</li> <li>solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction (Y3)</li> <li>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtractions where</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                            |  |
| 4 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <ul> <li>appropriate (Y4)</li> <li>Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why (Y4)</li> <li>Non Statutory Notes</li> <li>NAS - Pupils use their understanding of place value and partitioning, and practise using columnar addition and subtraction with increasingly large numbers up to three digits to become fluent (see <u>Mathematics Appendix 1</u>) (Y3)</li> <li>NAS - Pupils continue to practise both mental methods and columnar addition and subtraction with increasingly large numbers to aid fluency (see <u>Mathematics Appendix 1</u>) (Y4)</li> <li>NB – This will be taught as an over teach unit in both the Year A and Year B cycle.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| 5 | <ul> <li>NCETM Year 3 Unit 7 - Column subtraction (Including NCETM<br/>Year 4 Unit 1 - review of Column subtraction)</li> <li>3AS-2 Add and subtract up to three-digit numbers using columnar<br/>methods.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <ul> <li>Number - Addition and Subtraction</li> <li>add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction (Y3)</li> <li>estimate the answer to a calculation and use inverse operations to check answers (Y3 and 4)</li> <li>solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction (Y3)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |

|    | • 1.21 Algorithms: column subtraction                                                                                                          | <ul> <li>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtractions where appropriate (Y4)</li> <li>Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why (Y4)</li> <li>Non Statutory Notes</li> <li>NAS - Pupils use their understanding of place value and partitioning, and practise using columnar addition and subtraction with increasingly large numbers up to three digits to become fluent (see <u>Mathematics Appendix 1</u>).(Y3)</li> <li>NAS - Pupils continue to practise both mental methods and columnar addition and subtraction with increasingly large numbers to aid fluency (see <u>Mathematics Appendix 1</u>) (Y4)</li> <li>NB - This will be taught as an over teach unit in both the Year A and Year B cycle.</li> </ul> |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|    | NCETM Year 4 Unit 4 - 3, 6, 9 times tables                                                                                                     | Y4 Number – Number and Place Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
|    | <ul> <li>4NF-1 Recall multiplication and division facts up to 12×12, and</li> </ul>                                                            | count in multiples of 6, 7, 9, 25 and 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
|    | corresponding number.                                                                                                                          | <ul> <li>recall and use multiplication and division facts for the 3. 4 and 8 multiplication tables (NC V3 NCETM V4)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
|    | <ul> <li>2.8 Times tables: 3, 6 and 9, and the relationship between them</li> </ul>                                                            | <ul> <li>recall multiplication and division facts for multiplication tables up to 12 × 12</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
|    |                                                                                                                                                | Y3 Number – Multiplication and Division                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
|    |                                                                                                                                                | • Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
|    |                                                                                                                                                | Non Statutory Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|    |                                                                                                                                                | NMD - Pupils continue to practise recalling and using multiplication tables and related division facts to aid fluency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
|    | NCETM Year 4 Unit 5 - 7 times table and natterns                                                                                               | Y4 Number – Multiplication and Division                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
|    | <ul> <li>4NF-1 Recall multiplication and division facts up to 12×12, and</li> </ul>                                                            | <ul> <li>recall multiplication and division facts for multiplication tables up to 12 × 12</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
|    | recognise products in multiplication tables as multiples of the                                                                                | Y3 Number – Multiplication and Division                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
|    | corresponding number.                                                                                                                          | Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
|    | • 2.9 Times tables: 7 and patterns within/across times tables                                                                                  | NOD - Pupils continue to practise recalling and using multiplication tables and related division facts to aid fluency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
|    |                                                                                                                                                | NMD - Pupils now use multiples of <u>2</u> , 3, <u>4</u> , <u>5</u> , <u>8</u> , <u>10</u> , <u>50</u> and <u>100</u> . (3x table NC Y3 NCETM Y4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
|    |                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
|    | NCETM Year 4 Unit 8 - Review of fractions                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| 0  | <ul> <li>3F-1 Interpret and write proper fractions to represent 1 or several<br/>parts of a whole that is divided into equal parts.</li> </ul> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| 0  | <ul> <li>3.1 Preparing for fractions: the part—whole relationship</li> </ul>                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
|    |                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
|    | NCETM Year 3 Unit 9 – Unit Fractions                                                                                                           | NB – This will be taught as an over teach unit in both the Year A and Year B cycle – shorter 1-week review unit. Depth taught in year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| 9  | (See Year B Maths Curriculum)                                                                                                                  | B.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
|    |                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
|    | NCETM Year 3 Unit 10 – Non-unit Fractions                                                                                                      | NB – This will be taught as an over teach unit in both the Year A and Year B cycle – shorter 1-week review unit. Depth taught in year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| 10 | (See Year B Maths Curriculum)                                                                                                                  | B.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
|    |                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
|    | NCETM Year 4 Unit 9 - Fractions greater than 1                                                                                                 | Y4 Number – Fractions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
|    | <ul> <li>4F-1 Reason about the location of mixed numbers in the linear number</li> </ul>                                                       | • add and subtract fractions with the same denominator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|    | system.                                                                                                                                        | • They extend the use of the number line to connect fractions. numbers and measures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| 11 | • 4F-2 Convert mixed numbers to improper fractions and vice versa.                                                                             | <ul> <li>recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements &gt;</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
|    | <ul> <li>4F-3 Add and subtract improper and mixed fractions with the same<br/>dependence including bridging whole numbers</li> </ul>           | 1 as a mixed number [for example, /52 + 4/5 = 6/5 = 1 1/5 ] (NC Y5 NCETM Y4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
|    | denominator, including bridging whole numbers.                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |

| <ul> <li>3.5 Working across one whole: improper fractions and mixed number</li> </ul> | s Non-Statutory Notes                                                                                                                  |  |  |  |  |  |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
|                                                                                       | NF - Pupils practise adding and subtracting fractions to become fluent through a variety of increasingly complex problems. They extend |  |  |  |  |  |
|                                                                                       | their understanding of adding and subtracting fractions to calculations that exceed 1 as a mixed number. (NC Y5 NCETM Y4)              |  |  |  |  |  |
|                                                                                       | NF - They practise counting using simple fractions and decimals, both forwards and backwards (Daily Counting)                          |  |  |  |  |  |
| NCETM Year 3 Unit 10 - Parallel and perpendicular sides in                            | Y3 Geometry – Properties of Shape                                                                                                      |  |  |  |  |  |
| polygons                                                                              | • draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe           |  |  |  |  |  |
| • 3G–2 Draw polygons by joining marked points, and identify parallel a                | nd them                                                                                                                                |  |  |  |  |  |
| perpendicular sides.                                                                  | <ul> <li>identify horizontal and vertical lines and pairs of perpendicular and parallel lines</li> </ul>                               |  |  |  |  |  |
|                                                                                       | Non Statutory Notes                                                                                                                    |  |  |  |  |  |
|                                                                                       | GPS - Pupils' knowledge of the properties of shapes is extended at this stage to symmetrical and non-symmetrical polygons and          |  |  |  |  |  |
|                                                                                       | polyhedra. Pupils extend their use of the properties of shapes. They should be able to describe the properties of 2-D and 3-D shapes   |  |  |  |  |  |
|                                                                                       | using accurate language, including lengths of lines and acute and obtuse for angles greater or lesser than a right angle.              |  |  |  |  |  |
| NCETM Year 4 Unit 10 - Symmetry in 2D shapes                                          | Y4 Geometry – Properties of Shapes                                                                                                     |  |  |  |  |  |
| • 4G–3 Identify line symmetry in 2D shapes presented in different                     | <ul> <li>compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</li> </ul> |  |  |  |  |  |
| orientations. Reflect shapes in a line of symmetry and complete a                     | • identify lines of symmetry in 2-D shapes presented in different orientations                                                         |  |  |  |  |  |
| symmetric figure or pattern with respect to a specified line of                       | • complete a simple symmetric figure with respect to a specific line of symmetry.                                                      |  |  |  |  |  |
| symmetry.                                                                             | •                                                                                                                                      |  |  |  |  |  |
|                                                                                       | Non Statutory Notes                                                                                                                    |  |  |  |  |  |
|                                                                                       | GPS - Pupils draw symmetric patterns using a variety of media to become familiar with different orientations of lines of symmetry; and |  |  |  |  |  |
|                                                                                       | recognise line symmetry in a variety of diagrams, including where the line of symmetry does not dissect the original shape.            |  |  |  |  |  |

| NAS | Number, Addition and Subtraction    |
|-----|-------------------------------------|
| NPV | Number and Place Value              |
| NMD | Number, Multiplication and Division |
| G   | Geometry                            |
| GPD | Geometry, Position and Direction    |
| GPS | Geometry, Properties of Shape       |
| Μ   | Measurement                         |

## Dark grey references are ready-to-progress criteria from the DfE Guidance 2020

Light grey references are from the NCETM Primary Mastery Professional Development materials

Both are available online

## **Times Tables Notes:**

Teach single year groups separately (see overview below). Alternate daily between Y3 completing their times table booklet and Y4 completing their times table booklet. 10 minutes per day. Whilst one-year group are completing their booklet the other year group can practise using either their times tables cards or practise the times tables they are learning on TT Rockstars.

|                                                                              | 1                                                                                               | 2                                          | 3                                                                    | 4                                                  | 5                                                                                                                                                       | 6                                                                                                | 7                                                | 8                     | 9 – NTS<br>Assessments                                                                                                                     | 10                                                             | 11                                               | 12                                                 | 13                                        |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------|-------------------------------------------|
| Autumn                                                                       | Unit 1 (NC                                                                                      | CETM Y3)                                   |                                                                      |                                                    |                                                                                                                                                         |                                                                                                  | Unit 2 (NC                                       | ETM Y3)               |                                                                                                                                            |                                                                |                                                  |                                                    | Cons                                      |
| Adding and subtracting<br>across 10 Y4 ONLY 8 times<br>table intro<br>Lesson |                                                                                                 |                                            |                                                                      |                                                    |                                                                                                                                                         | Numbers to 1,000                                                                                 |                                                  |                       |                                                                                                                                            |                                                                | Y4 ONLY 3 times<br>table intro<br>lesson         |                                                    |                                           |
| ТТ ҮЗ                                                                        | 3 Consolidate addition/subtraction facts within 10<br>Adding 1, Adding 2, Adding 0, Bonds to 10 |                                            | Doubles 1 - 5                                                        | Add in<br>Double 10                                | Add in<br>Double 6                                                                                                                                      | Add in<br>Double 7                                                                               | Add in Double 8                                  | Add in<br>Double 9    | Near Doubles<br>(+/-1)                                                                                                                     | Near Doubles<br>(+/-2)                                         | Ones without<br>a family (5+8,<br>8+5, 3+6, 6+3) | All addition/<br>subtraction of<br>facts within 10 |                                           |
| TT Y4                                                                        | Consolidate addi                                                                                | tion/subtraction fa<br>4 and 5 times tabl  | acts within 10 and 2,<br>les                                         | 8 times tables (5 n                                | bles (5 new facts – 8x3, 8x6, 8x7, 8x8, 8x9) 8 times tables (all) plus all previous facts learn                                                         |                                                                                                  |                                                  |                       | us facts learnt                                                                                                                            | rnt 3 times tables (4 new facts – 3x3, 6x3, 7x3, 9x3)          |                                                  |                                                    | 3 times tables plus all<br>previous facts |
| Spring                                                                       | Unit 3 (NCETM Y4 – Unit 2) Numbers to 10,000<br>Y4 ONLY 6 times<br>table intro<br>Lesson        |                                            | 00                                                                   | Unit 4 (NCE<br>5 and Y<br>Column<br>Review c       | Unit 4 (NCETM Y3 Unit<br>5 and Y4 Unit 1)<br>Column additionUnit 5 (NCETM<br>Y3 Unit 7 and Y4<br>Unit 1) Column<br>subtractionReview of columnReview of |                                                                                                  | Unit 6 (NCETM Y4 Unit 4)<br>3, 6, 9 times tables |                       |                                                                                                                                            | Consolidati                                                    |                                                  |                                                    |                                           |
|                                                                              |                                                                                                 |                                            | Y3 ONLY 2 times<br>table intro<br>Lesson 1                           | Y3 ONLY 2 times<br>table commutativity<br>Lesson 2 | Y3 ONLY 2 times<br>table division<br>Lesson 3                                                                                                           | add                                                                                              | ITION                                            | column<br>subtraction | Y3 ONLY 5 times<br>table intro lesson                                                                                                      |                                                                |                                                  | Y4 ONLY 7 times<br>table intro lesson              | <u>on</u>                                 |
| тт үз                                                                        | All addition/<br>subtraction of<br>facts within 10                                              | Dout                                       | oles 1-10                                                            | 2 times tables<br>(multiplier 1st)                 | 2 times tables<br>(multiplier 1 <sup>st</sup><br>or 2nd)                                                                                                | 2 times tables<br>(division facts<br>too)                                                        |                                                  | 5 times table         | bles (2x5 to 6x5) 5 times tables 5 tin<br>(7x5 to 9x5)                                                                                     |                                                                | 5 time                                           | es tables (all)                                    |                                           |
| TT Y4                                                                        | 3 times tables pl<br>fac                                                                        | lus all previous<br>ts                     | 6 times table                                                        | s (3 new facts – 6x6                               | , 7x6, 9x6)                                                                                                                                             | 6 times ta                                                                                       | 6 times tables (all) plus all previous facts     |                       |                                                                                                                                            | 9 times tables (all) plus all previous facts<br>Previous facts |                                                  | 7 times tables (1<br>new fact – 7x7)               | 7 times tables – all<br>facts now learnt! |
| Summer                                                                       | Unit 7 (NCE<br>4)<br>7 times ta<br>patte                                                        | <b>TM Y4 Unit</b><br>)<br>able and<br>erns | Unit 8<br>(NCETM Y4<br>Unit 8)<br>Review of<br>fractions from<br>KS1 | Unit 9<br>(NCETM Y3<br>Unit 8)<br>Unit fractions   | Unit 10<br>(NCETM Y3<br>Unit 9)<br>Non-unit<br>fractions<br>Y3 ONLY 4 times<br>table intro lesson                                                       | <b>Unit 11 (NCETM Y4 Unit 9)</b><br>Fractions greater than 1                                     |                                                  |                       | Unit 12 (NCETM Y3<br>Unit 10)Unit 13<br>(NCETM Y4<br>Unit 10)Parallel and<br>perpendicular sides in<br>polygonsSymmetry<br>in 2D<br>shapes |                                                                | <u>Consolidation</u>                             |                                                    |                                           |
| ТТ ҮЗ                                                                        |                                                                                                 | 5 times table                              | s and 2 times tables                                                 |                                                    | 4 times tables<br>(2x4 to 6x4)                                                                                                                          | 4 times tables<br>(7x4 to 9x4)       4 times<br>tables (all)       2, 4 and 5 times tables facts |                                                  |                       |                                                                                                                                            |                                                                | 10 times tables<br>brush up                      |                                                    |                                           |
| TT Y4                                                                        | All times table                                                                                 | es up to 9x9                               | A                                                                    | Il times tables – incl                             | luding 11 and 12                                                                                                                                        | times tables (if c                                                                               | hildren are read                                 | <i>y</i> )            | MTC                                                                                                                                        | All tir                                                        | nes tables – incl                                | uding 11 and 12                                    | times tables                              |