## 2023 / 2024 Mathematics Whole School Curriculum Map

EYFS follows the sequence set out by LCC and uses the EYFS LAPS to ensure progress
Years 1, 2, 3, 4 and 5 follow the LCC Red Rose Scheme.
We use the Lancashire Disc as the basis for planning and delivering maths in year 6 .
 problem solving during a problem solving week etc.

The curriculum is spiral within the year, with most areas being taught more than once and being built on throughout the year (Lancashire LAPS).
All units are taught with a Mastery focus built on small steps.
 testbase.

|  | EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
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| Planning | Maths is to be taught on an alternative daily basis with all children receiving teacher input. <br> Planning to be taken from LCC EYFS document <br> An additional, 10 minutes, 4 $x$ a week session is to be held following the Mastering Number programme from NCETM. | Maths is to be taught for 1 hour every day. <br> Planning to be taken from Red Rose Maths Scheme <br> An additional, 10 minutes, 4 $x$ a week session is to be held following the Mastering Number programme from NCETM. | Maths is to be taught for 1 hour every day. <br> Planning to be taken from Red Rose Maths Scheme <br> An additional, 10 minutes, 4 $x$ a week session is to be held following the Mastering Number programme from NCETM. | Maths is to be taught for 1 hour every day. <br> Planning to be taken from Red Rose Maths Scheme <br> Additional time is to be found for $3 \mathbf{x}$ fluency sessions with a focus multiplication tables practise at the teacher's discretion. | Maths is to be taught for 1 hour every day. <br> Planning to be taken from Red Rose Maths Scheme <br> Additional time is to be found for $3 x$ fluency sessions with a focus multiplication tables practise at the teacher's discretion. | Maths is to be taught for 1 hour every day. <br> Planning to be taken from LCC Planning Disc <br> Additional time is to be found for $\mathbf{3 x}$ fluency sessions at the teacher's discretion. | Maths is to be taught for 1 hour every day. <br> Planning to be taken from LCC Planning Disc <br> Additional time is to be found for $3 \times$ fluency sessions at the teacher's discretion. |
| Big Concepts | Have a deep understanding of number to 10 , including the composition of each number. <br> - Subitise (recognise quantities without counting) up to 5. <br> - Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10 , including double facts. | Number and Place Value <br> Number - Addition and <br> Subtraction <br> Number - Multiplication and <br> Division <br> Number : Fractions <br> Geometry - Properties of <br> Shape <br> Geometry - Position and <br> Direction <br> Measurement <br> Statistics | Number and Place Value <br> Number - Addition and <br> Subtraction <br> Number - Multiplication and <br> Division <br> Number : Fractions <br> Geometry - Properties of <br> Shape <br> Geometry - Position and Direction <br> Measurement <br> Statistics | Number and Place Value <br> Number - Addition and <br> Subtraction <br> Number - Multiplication and <br> Division <br> Number : Fractions <br> Geometry - Properties of <br> Shape <br> Geometry - Position and <br> Direction <br> Measurement <br> Statistics | Number and Place Value <br> Number - Addition and <br> Subtraction <br> Number - Multiplication and <br> Division <br> Number : Fractions and <br> Decimals <br> Geometry - Properties of <br> Shape <br> Geometry - Position and <br> Direction <br> Measurement <br> Statistics | Number and Place Value <br> Number - Addition and <br> Subtraction <br> Number - Multiplication and <br> Division <br> Number : Fractions, Decimals <br> and Percentages <br> Geometry - Properties of <br> Shape <br> Geometry - Position and <br> Direction <br> Measurement <br> Statistics | Number and Place Value <br> Number - Addition and <br> Subtraction <br> Number - Multiplication and <br> Division <br> Fractions, Decimals and <br> Percentages <br> Ratio and Proportion <br> Geometry - Properties of <br> Shape <br> Geometry - Position and <br> Direction <br> Measurement <br> Statistics |
| AUTUMN <br> Weekly Overviews <br> Each unit, although roughly broken into weekly units, is at the discretion of the class teacher as to the time needed to teach the concepts within the unit, | Aut 1 Aut 2 | Aut 1 Aut 2 | Aut 1 Aut 2 | Aut 1 Aut 2 | Aut 1 Aut 2 | Aut 1 Aut 2 | Aut 1 Aut 2 |


| for example fractions may take more than one week, whereas statistics may take less than one week. |  | Number 5 | Unit 1Place Value | $\begin{aligned} & \text { Unit } 5 \\ & \text { Sequencing and } \\ & \text { Sorting } \end{aligned}$ | $\begin{aligned} & \text { Unit } 1 \\ & \text { Place value } \end{aligned}$ | $\begin{gathered} \text { Unit } 5 \\ \text { Counting. } \\ \text { Multipication and } \\ \text { Sorting } \end{gathered}$ | $\begin{array}{\|c} \text { Unit } 1 \\ \begin{array}{c} \text { Place value, addition } \\ \text { and subtraction } \end{array} \end{array}$ | $\begin{array}{\|c\|c\|} \text { Unitiplication tables } \\ (3 \times \text { and } 4 \times) \end{array}$ | Unit 1 and Subtraction | $\begin{aligned} & \text { Unitit } 5 \\ & \text { Multication } \end{aligned}$ | $\text { Unit } 1$Place Value | $\begin{gathered} \text { Unit } 6 \\ \text { Multiplication and } \\ \text { Division } \end{gathered}$ | Place Value Decimals <br> Mental and Written Addition | Fractions |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Number 6 |  | $\begin{aligned} & \text { Unit } 6 \\ & \text { Fractions } \end{aligned}$ |  | $\underset{\text { Staitsics }}{\text { Unit }}$ |  | $\begin{aligned} & \text { Unit } 6 \\ & \text { Multiplication } \end{aligned}$ |  |  |  |  |  | Fractions, Percentages, Ratio and Proportion |
|  | Number 1 | Number 7 | Length and Mass | $\begin{array}{\|c\|} \hline \text { Unit } 7 \\ \hline \text { Capacity and Volume } \\ \hline \end{array}$ | ${ }_{\text {Lengit }}^{\text {Unit } 2}$ (enass | $\underset{\substack{\text { Unit } 7 \\ \text { Fracions }}}{ }$ | $\begin{gathered} \text { Unit } 2 \\ \begin{array}{c} \text { Length and } \\ \text { perimeter } \end{array} \end{gathered}$ | Unit 7 Division | Length $\quad$ Unit 2 Perimeter | Unit 6 Division | Unit 2 Addition and Subtraction | $\underset{\substack{\text { Unit } 7 \\ \text { Fractions }}}{ }$ | Mental and Written Multiplication | Geometry (Angles), Statistics (Pie Charts) |
|  | Number 2 | Number 8 | Unit 3Addition andS. Subtraction | ${ }_{\text {Unit }} \mathbf{8}$ | Unit 3 Addition and Subtraction | Unit 8 <br> Capacity and Volume <br> Unit 9 <br> Money | $\underset{\text { Unit }}{\substack{\text { Unisics }}}$ | $\underbrace{\text { Time }}_{\text {Unit }}$ | $\underset{\text { Unit }}{\substack{\text { U } \\ \text { Staistics }}}$ | $\underset{\substack{\text { Unit } \\ \text { Time }}}{\text { U }}$ |  | $\begin{gathered} \text { Unit } 8 \\ \text { Multiplication and } \\ \text { Area } \end{gathered}$ | $\begin{aligned} & \text { 2-D and 3-D } \\ & \text { Shape } \end{aligned}$ | Measurement (Length, Perimeter, Mass) |
|  | Number 3 | Number 9 |  | $\underbrace{\substack{\text { Time }}}_{\text {Unit }}$ |  | $\underbrace{\substack{\text { c }}}_{\substack{\text { Unit } \\ \text { Time }}}$ | Unit 4 Addition and subtraction | $\begin{aligned} & \text { Unit } 9 \\ & \text { 3-D shape } \end{aligned}$ | Unit 4Addition andSubtraction | ${ }_{\text {3-D Shape }}^{\text {Unit } 8}$ | Unit 3 Statitics Ueometry (Angles) GUn |  | Mental and Written Subtraction | Measurement (Area and Volume) |
|  | Number 4 | Number 10 | $\begin{gathered} \text { Unit } 4 \\ \text { 2-D and 3-D Shape } \end{gathered}$ | $\begin{aligned} & \text { Assess and review } \\ & \text { week } \end{aligned}$ | $\begin{gathered} \text { 2-D and } 3-\mathrm{D} \text { Shape } \\ \hline \end{gathered}$ | $\begin{aligned} & \text { Assess and review } \\ & \text { week } \end{aligned}$ |  | Assess and review week |  | Assess and review week | $\begin{aligned} & \text { Uneometrat and } \\ & \text { Measyrues } \end{aligned}$ | Assess and review week | Mental and Written Division | Assess and Review Week |
| SPRING | Spr 1 Spr 2 |  | Spr 1 | Spr 2 | Spr 1 | Spr 2 | Spr 1 | Spr 2 | Spr 1 | Spr 2 | Spr 1 | Spr 2 | Spr 1 | Spr 2 |
| Weekly Overviews Each unit, although roughly broken into | ${ }_{\text {counting and }}^{\substack{\text { counpaing }}}$ | Addition | Unit 10 Place Value | Unit 16 Length and Mass | $\underset{\text { Unit }}{\text { Place value }}$ | Unit 16 <br> Length | $\begin{array}{\|c} \text { Unit } \begin{array}{c} \text { Plater } \\ \text { Padue } \\ \text { adition and } \\ \text { subtraction } \end{array} \\ \hline \end{array}$ | $\begin{gathered} \text { Unit } 15 \\ \text { 2-D shape } \end{gathered}$ |  | $\qquad$ | Unit 10 Place Value and Negative Number | Unit 15 Fractions | Place Value, Sequences, Coordinates | Mental and Written Addition and Subtraction |
| weekly units, is at the discretion of the class teacher as to the time | Partitioning and Understanding Part-Whole | Subtraction | $\underset{\substack{\text { Unit } \\ \text { Mass }}}{\text { dr }}$ | Unit 17 Addition and | Unit $\mathbf{1 2}$ Mass and Volume and Capacity | Unit 17 Addition and Subtraction <br> Subtraction | Unit 11Multipication | $\begin{gathered} \text { Unit } 16 \\ \begin{array}{c} \text { Addition, subtraction } \\ \text { and statistics } \end{array} \end{gathered}$ |  | $\begin{aligned} & \text { Unit 15 } \\ & \text { 2-D Shape and } \\ & \text { Sorting } \end{aligned}$ | Unit 11 Addition and Subtraction subtraction |  | 2-D Shape, <br> Coordinates, <br> Translation and <br> Reflection | Measurement, <br> Ratio and Proportion |
| needed to teach the concepts within the unit, for example fractions may | Understanding Teens Numbers | ${ }^{\text {Halving and }}$ Doubling | ${ }_{\text {2-D and }}^{\text {Unit } 12 . \text { S Shape }}$ | Unit 18 Fractions | $\begin{aligned} & \text { Unitit } 13 \\ & \text { Addition and } \\ & \text { Subraction } \end{aligned}$ | $\begin{gathered} \text { Unit } 18 \\ \text { 2-D and 3-D Shape } \end{gathered}$ |  | Unit 17 | Unit 10Mutipiciction | $\begin{gathered} \text { Unit } 16 \\ \text { Position and } \\ \text { Ciretion } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Unit 12 } \\ \text { Multipication } \end{gathered}$ | $\begin{gathered} \text { Unit } 17 \\ \begin{array}{c} \text { Mesirement } \\ \text { Nolume) } \end{array} \\ \hline \end{gathered}$ | Temperature, Mean | $\begin{aligned} & \text { 2-D and 3-D } \\ & \text { Shape } \end{aligned}$ |
| take more than one week, whereas statistics may | Distance (length, height, | Number Sense | Unit 13 | Unit 19 | Unit 14 |  | $\underset{\text { Unit } 12}{ }$ |  |  | $\begin{gathered} \text { Unit } 17 \\ \text { Area } \\ \hline \end{gathered}$ | Unit 13 <br> Measures (Length, <br> Mass and Capacity | Unit 18 Statistic | Calculating with Fractions | Area, Perimeter and Volume of Shapes |
| take less than one week. | width) |  | Counting and Money | Position \& Direction | Money | Postion \& Direction |  | $\begin{array}{\|c\|} \text { Unit } 18 \\ \text { Position \& direction } \\ \hline \end{array}$ | Unit 11 Division | Unit 18 Statistic |  |  |  |  |
|  | Mass/Weight and Capacity/Nolume | $\underset{\substack{\text { Addition and } \\ \text { Subtration }}}{ }$ | Unit 14 Multiplication | $\text { Unit } 20$ Time | $\begin{aligned} & \text { Unit is } \\ & \text { Muttipication and } \\ & \text { Division } \end{aligned}$ | $\underbrace{\text { U }}_{\substack{\text { Unit } \\ \text { Time }}}$ | Unit 13 Division | $\begin{aligned} & \text { Unit } 19 \\ & \text { Tim } \end{aligned}$ |  | $\begin{aligned} & \text { Unit } 19 \\ & \text { Measures } \end{aligned}$ | Unit 14 Geometry | $\begin{gathered} \text { Unit } 19 \\ \text { Problem Solving } \\ \text { including Gar } \\ \text { Modelling } \end{gathered}$ | Mental and Written Division | Statistics Line Graphs and Pie Charts |
|  | Shape and Sorting |  | Unit ${ }_{\text {U }}$ | Assess and review week |  | Assess and review week |  | Assess and review week | Addition and Subtraction Fractions | $\begin{aligned} & \text { Assess and reiew } \\ & \text { week } \end{aligned}$ |  | Assess and review week | Mental and Written Multiplication | Assess and Review Week |
| SUMMER |  |  |  |  |  |  | Sum 1 | Sum 2 | Sum 1 | Sum 2 | Sum 1 | Sum 2 | Sum 1 | Sum 2 |
| Weekly Overviews <br> Each unit, although roughly broken into weekly units, is at the discretion of the class teacher as to the time needed to teach the concepts within the unit, for example fractions may take more than one week, whereas statistics may take less than one week. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


|  | $\begin{aligned} & \text { Counting, } \\ & \text { Comparing and } \\ & \text { Ordering } \end{aligned}$ | Time | ( $\begin{gathered}\text { Unit } 21 \\ \text { Place Value }\end{gathered}$ | $\underset{\substack{\text { Unit } 27 \\ \text { Time }}}{\text { a }}$ | $\begin{gathered} \text { Unit } \mathbf{2 1} \\ \text { Place Value and } \\ \text { Statistics } \end{gathered}$ | Unit 28 Addition and Subtracti |  | Unit $\begin{gathered}\text { U } \\ \text { Place value }\end{gathered}$ | Unit $\begin{aligned} & \text { Un } \\ & \text { Place Vave }\end{aligned}$ |  |  | Unit ${ }_{\text {U }}$ | Place Value, Decimals and Fractions | Measurement (Mass, Volume, Capacity) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Understanding } \\ & \text { Part -Whole with } \\ & \text { Addition and } \\ & \text { Subtraction } \end{aligned}$ | Space | Unit 22 Addition and Subtraction | $\begin{gathered} \text { Unit } 28 \\ \text { Multiplication and } \\ \text { Division } \end{gathered}$ | Unit 22 Addition and Subtraction | $\begin{aligned} & \text { Unit } 29 \\ & \text { Multipication and } \\ & \text { Division } \end{aligned}$ |  | Unit 26 Calculation |  |  |  | ( $\begin{gathered}\text { Unit } 26 \\ \text { Fractions }\end{gathered}$ | Mental and <br> Written Calculation | Mental and <br> Written Calculation |
|  | Fractions | Money and Sorting | $\begin{array}{\|c\|} \hline \text { Unit 23 } \\ \text { Capacity and Volume } \\ \hline \end{array}$ | $\begin{aligned} & \text { Unit } 29 \\ & \begin{array}{c} \text { Statistics and } \\ \text { Calculation } \end{array} \end{aligned}$ | $\begin{array}{\|c\|c\|} \hline \text { Unitit 23 } \\ \text { Capacit and Volume } \\ \hline \text { Unit 24 } \\ \hline \text { Temperature } \\ \hline \end{array}$ | $\begin{aligned} & \text { Unitit } 30 \\ & \begin{array}{c} \text { Statican and } \\ \text { Carsulution } \end{array} \end{aligned}$ | $\begin{aligned} & \text { Unit } 21 \\ & \begin{array}{c} \text { Multipliction and } \\ \text { division } \end{array} \end{aligned}$ | $\underbrace{}_{\substack{\text { Unit } 27 \\ \text { Fractions }}}$ | Subtraction | $\begin{aligned} & \text { Unit } 25 \\ & \text { U-D and 3-D Shape } \end{aligned}$ | $\begin{gathered} \text { Unit 21 } \\ \substack{\text { Measurement and } \\ \text { Statisitics }} \\ \hline \end{gathered}$ | Unit ${ }_{\text {U }}$ | Calculating Fractions, Ratio and Proportion | Fractions |
|  | $\underbrace{\text { a }}_{\substack{\text { Distance and } \\ \text { Mass/Weight }}}$ | Number Sense | Unit 24 Fractions | $\begin{gathered} \text { Unit } 30 \\ \text { Measurement } \end{gathered}$ | Unit 25 Fraction | $\begin{gathered} \text { Unit } 31 \\ \text { Measurement } \end{gathered}$ | $\begin{gathered} \text { Unit 22 } \\ 2-\mathrm{D} \text { shape } \end{gathered}$ | $\underset{\substack{\text { Unit } 28 \\ \text { Staisics }}}{ }$ |  | $\underset{\text { Unit }}{\substack{\text { Unistics }}}$ | Unit ${ }_{\text {U }}^{\text {Gemetry }}$ | Unit 28 Statistic | Coordinates, <br> Translation and Reflection | Place Value Decimals |
|  | $\underbrace{}_{\substack{\text { Capacity/Volume } \\ \text { and Money }}}$ | Adotion and | Unit 25 Position \& Direction and Time | Unit 31 Sorting and Sequencing | $\begin{aligned} & \text { Unit } 26 \\ & \text { Position \& Direction } \\ & \text { and Time } \end{aligned}$ | Assess and review then address | Unit 23 | $\underbrace{\text { a }}_{\substack{\text { Unit } \\ \text { Time }}}$ | Multiplication and Division and Measures | Unit 27 Place Value | Unit 23 Addition and Subtraction | $\underset{\substack{\text { Unit } 29 \\ \text { Mesurement }}}{ }$ | Algebra and Sequences | $\begin{aligned} & \text { 2-D and 3-D } \\ & \text { Shape } \end{aligned}$ |
|  | Shape and Sorting |  | $\begin{aligned} & \text { Unite } 26 \\ & \text { 2-D and 3-D Shape } \end{aligned}$ | Assess and review week | $\begin{gathered} \text { 2-D and } 3 \text { 3-D Shape } \end{gathered}$ |  | Unit 24 <br> 3-D shape | Assess and review week | ${ }_{\substack{\text { Unit } \\ \text { Area }}}$ | week | Unit 24 Multiplication | Assess and review week | Measurement (Length / Time) Statistics (Mean) | Assess and Review Week |
| Vocab |  |  | Vocabulary is | used in stem | entences. The | se are ident | in most les | ons and vo | lary is disp | yed on wor | walls for ch | dren and ad | ts to use. |  |
| STEM sentences |  |  | These are tak | n from the | cashire Red | Rose Progra | , NCETM R | dy To Prog | Programm | and the Cur | um Prioritis | tion Progra | me. |  |

