Escrick C of E Primary School Maths Overview 2021-22

* This plan is in line with our full curriculum LTP but gives more detail. This overview has been designed to promote coherence throughout our maths curriculum and, in some instances, maths topics have been placed purposefully to be taught alongside other areas of the full curriculum.

When planning, please bear in mind:

* The whole curriculum is cumulative. Once a ‘block is finished’ it is linked throughout future learning wherever possible.
* Basic Skills are cumulative. Introduce new skills in each block, but keep ‘plates spinning’ on all previous skills learnt. Refresh the way skills are presented regularly enough to keep challenging but not often enough to confuse.
* Try to teach and practise skills daily and try to have at least 1 independent application a week – suggested skills coverage is outlined on this overview (BS) – many of these skills will fit in to daily planning/the topic you are teaching. Otherwise, additional skills could be part of morning work, afternoon maths, reading time task or a starter to a lesson. All skills should be revisited regularly, as stated above, so please refer to the year previous to you too.
* The plan is a guide so timings can and should be altered accordingly to need.
* NCETM is mentioned on here as a reference but isn’t used in all classes in school currently – being trialled Y1 and Y5. Majority of planning is taken from WRM but teachers may refer to NCETM for further teaching content.
* **If a topic has been taught in a previous year, ie measurement, incorporate these skills into new learning and application from the beginning of the year.** (ie...don’t ignore all things ‘measure’ or ‘fractions’ until your ‘block’!)
* Happy Mathsing :)







Year 1

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|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|  | **Composition of Numbers 0-5** NCETM 1.3 **-**2 weeks  **Composition of Numbers 6-10** – 3 weeks NCETM 1.4  **Comparison of quantities and Measures** NCETM 1.1- 2 Week | **Introducing Whole and Parts NCETM 1.2- 1 Week**  **Shape (linked to DT)** – 1 week WRM/ NCETM  **Additive Structures**  **NCETM 1.5 – 4 weeks**  **Addition and subtraction within 10 – 4 weeks NCETM 1.7** | **Cont Addition and Subtraction Strategies within 10. 2/3weeks**  **Composition of Number 11-19 NCETM 1.10 – 4 weeks**  **Time** – 1 week (dates/months /seasons) WRM | **Number: Composition of numbers 20-100 and 11-20 NCETM 1.9- 4 weeks**  **Measure: length and height** – 2 weeks WRM  **Measure** : Volume – 1 week  WRM | **Counting, Unitising and Coins 4 weeks**  **NCETM 2.1**  **Number: Fractions**  WRM-1 weeks  **Geometry: position and direction** – 1 week WRM | **Measurement: time** – 2 weeks WRM  **Revisit Number and place value within 100** (include measures) WRM– 3 weeks |
| BS | Recognise numbers and their composition to 10.  1 more and 1 less (up to 10).  Read and write numbers from 1 to 10 in  numerals and words | Subtraction facts within 10  Shape names, 2D and 3D. Shape names and recognise different orientations.  . | Count in multiples of 10 to 100  Recognise and represent numbers to 100.  1 more/less than a given number.  Language: always, weeks, months and years. | Additive Facts within 20  Subtraction facts within 20.  Compare and describe practical problems.  Begin to measure and record. | Money key facts- note and coin names.  Multiplication and Division in arrays (2s,5,s10s)- Make group of amounts.  Halves and Doubles  Fractions= parts and wholes, ½ and ¼ of shapes.  Count in 2s, 5s and 10s. Move ¼, ½ and ¾ turns. | Introduce Time key facts- counting in 5s. O’clock/ half past daily routines.  Language- slower, quicker, earlier and later.  Time: draw hands to show- half hour and on the hour. |

Year 2

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|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 SATS | Summer 2 |
|  | **Addition and Subtraction bridging 10 NCETM 1.11**  **Subtraction as a difference NCEM 1.12**  **Addition and Subtraction 2 digit and 3 digit NCETM 1.13**  **Addition and Subtraction 2 digit and multiples of 10. NCETM 1.14**  **Shape** – linked to Traction Man – 1 week WRM *Afternoon Teaching DT* | **Addition 2 digit and 2 digit NCETM 1.15**  **Subtraction 2 digit and 2 digit NCETM 1.16**  **Measures: Money** – 2 weeks WRM | **Structures: Multiplication representing equal groups. NCETM 2.2**  **Times Tables: Groups of 2 and commutativity. NCETM 2.3**  **Commutativity Doubling and halving. NCETM 2.5**  **Measures: temperature *Afternoon teaching*** linked to Africa – 2 weeks WRM | **Structures- Quotative and Partitive division. NCETM 2.6**  **Statistics – 1 week WRM**  **Number: Fractions – 3 weeks WRM**  **Geometry: shape and properties of** – 2 weeks linked to Wild WRM (Afternoon topic teaching) | **Measures: Length and height – 2 weeks**  **Geometry: position and direction** – 2 weeks WRM  **Measurement – time –** 2 weeks linked to Little Evie in the Wild Wood WRM Afternoon Teaching. | **Continuation/ catch up of new NCETM**  **Measurement: Mass and Capacity** – 2 weeks WRM |
| BS | Introduce: Number: Place Value and Counting.  Introduce: Addition and Subtraction  Bonds within 20 stretching to within 100.  Shape-Key vocab and properties. | Introduce: Measures: Key facts around money  Introduce: Halves and Doubles  Multiplication facts, 2,5,10s and related | Mixed skills on previous learning  Introduce: Measure key vocab | Introduce: Fractions ⅓, 1/2., ¼, 2/4 and ¾ Identify and equal parts of whole.  Introduce: Measure key vocab | Mixed skills on previous learning  Moderation evidence basics | Introduce Time key facts  Introduce: Measure key vocab |

Year 3

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|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|  | **Recap/transition from Y2**  **Number Place Value**  **3 weeks**  **Number Addition and Subtraction 4 weeks NCETM 1.17-1.21** | **Number Addition and Subtraction ctd. 2 weeks**  **Measures Money**  **2 weeks WRM**  **Measures Length and Perimeter 2 weeks WRM** | **Multiplication and Division 6 weeks**  **NCETM 2.7-2.9** | **Fractions 5 weeks**  **NCETM 3.1 – 3.4**  **Statistics through Science lessons**  **WRM** | **Measurement: Time, Mass and Capacity WRM** | **Geometry: Properties of Shapes WRM** |
| BS | Introduce 3-digit number HTO  Introduce 10/100 more, less  Additive facts within 10, 20, 100 (multiples of 10 that make 100)  To add and subtract mentally, including a 3-digit number with 1s 10s and 100s | Money £ and p  To double multiples of 10 to 100 and know their corresponding halves e.g. double 90 | Introduce: Counting in 3x, 4x, 8x, 50 and 100  Multiply whole number by 10 and 100  Rounding to nearest 10 100 | Introduce counting in tenths  Equivalent fractions to ½ | Gap fill additive facts, where necessary and link throughout learning, and time 12 24 hour  Volume Capacity  L ml | Mixed skills, application and practise |

Year 4

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|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|  | **Number and Place Value, Addition and Subtraction**  **7 weeks**  **NCETM 1.22-1.24** | **Measurement: Length and Perimeter NCETM 2.16 2 weeks**  **Multiplication and Division NCETM 2.10-2.15 2 weeks** | **M and D contd. NCETM 2.17 2 weeks**  **Measurement: Area WRM 2 weeks**  **Geometry (Mayans)** | **Fractions 5 weeks**  **NCETM 3.5-3.6** | **Decimals recap and apply skills from Autumn 1 3 weeks**  **Measurement: Money NCETM 1.25 and Time and Capacity WRM**  **3 weeks** | **Geometry: Position and Direction WRM 3 weeks**  **Statistics WRM 2 weeks**  **Year review and application** |
| BS | Counting in 25s 100s 1000s  In 3x 4x 8x 50 100  10/100/1000 more and less  PV 3 and 4 digit numbers HTO and ThHTO  Halves and doubles to 100  Backwards through zero to include negative numbers  Read roman numerals to 100 | To calculate what must be added to any three-digit number  to make the next multiple of 100  e.g. 521 + \_\_ = 600  Rounding to nearest 10 100 1000  Counting in 6 7 9  Up to 12x12 and inverse facts | Multiply and Divide by 10 and 100  Convert between mm cm and m | Add and subtract fractions with same denom.  Counting in tenths  To recognise pairs of fractions that total 1 e.g. ¾ + ¼, one half and five tenths  To recognise fraction and decimal equivalents of half, quarters, tenths and hundredths  e.g. 3 tenths is 0.3 and 3 hundredths is 0.03 | Number bond strategies inc 2 sets of numbers  PV tenths and hundredths  Decimal equivalents to ¼ ½ ¾ and 100ths  Hours, minutes, seconds  Days weeks months  Digital and analogue clocks  Weight conversions | Mixed skills, application and practise |

Year 5

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|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|  | **Number and Place Value**  **Addition and Subtraction 5 weeks**  **NCETM 1.26-1.29**  **Roman Numerals 2 weeks WRM** | **Measurement: Perimeter NCETM 2.16 2wks**  **Multiplication and Division NCETM 2.18-2.19 2wks**  **Measurement: Area and Volume NCETM 2.16 2.20 2 wks**  **Statistics (Science)WRM** | **M and D contd.**  **Fractions NCETM 3.7 3.8**  **5 weeks** | **Decimals NCETM 3.7 3.8 3 weeks**  **Measures: Money WRM (Euros) and Time (time zones) 2 weeks** | **Percentages NCETM 3.7 3.8**  **3 weeks**  **Measures: converting measures – ratio, proportion – rations 4 weeks WRM** | **Geometry: Properties of Shapes and Position and Direction**  **4 weeks WRM**  **Year review and application** |
| BS | PV ThHTO  PV to 2 dp + 1/10 ½ ¼  Counting in 6s 7s 9s 20s 25s 50s  Halves and Doubles to 100  Rounding to decimal tenths  Adding more than 2 numbers  To calculate what must be added to any four-digit number  to make the next multiple of 1000,  e.g. 4087 + \_\_ = 5000 | Multiplying and dividing whole numbers and decimals by 10 100 1000  All times tables and inverse facts + use with multiples of 10 and 100  Measure conversions  cm m m km  Vocab Prime, Square, Factors | Know basic conversions between FDP ½ ¼ 1/5 1/10 1/100 | Bonds – additive facts to and within 1  Doubles and halves decimals  Vocab: proper, mixed numbers, simplify, equivalent, common denominator – to recall squares and factor pairs to 144  Money and Time conversions | Weight conversions  Reading scales and applying measures | Mixed skills, application and practise |

Year 6

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|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|  | **Number and Place Value**  **Addition and Subtraction 4 weeks**  **NCETM 1.30-1.31**  **Multiplication and Division including ratio and proportion**  **NCETM 2.23-2.28 4wks** | **Multiplication and Division contd.**  **Fractions, Decimals and Percentages**  **NCETM 2.29 3.9 3.10**  **4 weeks** | **Number Algebra**  **Measure Converting units, distance, capacity, volume, areas, perimeter**  **4 weeks**  **NCETM 2.30** | **Measure Time and Money**  **Statistics**  **Geometry – Properties of shapes, position and direction**  **WRM**  **6 weeks** | Whole Year recaps, gap filling and application – AfL | Investigations and Enterprise |
| BS | Counting in all multiples, fractions, decimals  PV identify Th H T O ths hths thths  Halves and Doubles to and beyond 100  Rounding to decimal hths  Bonds and additive facts to and within 10 100 20 1000 e.g. 650 + \_\_ = 930, 12462 – 2300 = | All tables and inverse facts  Use tables to multiple decimals e.g. 0.2 x 4  X and / whole and decimal numbers by 10 100 1000  Know all conversions e.g. 35% is equivalent to 0.35 or 35 hundredths  and simplify fractions to simplest form | To calculate what must be added to a decimal with units,  tenths and hundredths to make the next whole number, e.g. 7.26 + \_\_ = 8  Weights of objects  Lengths of objects  Capacity of containers  Conversion of measures | Money conversion  Time conversion  Mixed skills  Recall square numbers  Identify primes under 100 | Mixed skills, application and practise | Mixed skills, application and practise |