Escrick C of E Primary School KS2 Maths Overview 2022-23 

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 Revise additive facts within 10, 20, 100 (multiples of 10 that make 100) To find 10 or 100 more or less  | Recognise money £ and p To add and subtract mentally, including a 3-digit number with 1s 10s and 100s Measuring with a ruler  | Counting in 3x, 4x, 8x, 50 and 100Multiply whole number by 10 and 100To double multiples of 10 to 100 and know their corresponding halves e.g. double 90 | Recognise unit and non unit fractions and vocab – numerator and denominator Parts and Wholes understanding Tenths – a whole divided into 10 partsReading graphs and tables  | Telling the Time to the nearest minute Reading scales  | Mixed skills, application and practise Key vocab – angles and right angles, horizontal, vertical, perpendicular, parallel  |

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 multiples of 6 7 9 25s 1000s Revise 3x 4x 8x 50 100Find 10/100/1000 more and lessPlace Value in 4-digit numbers Understanding of negative numbers – counting backwards through zero  | Measuring using a ruler To calculate what must be added to any three-digit numberto make the next multiple of 100e.g. 521 + \_\_ = 600Times tables - up to 12x12 and inverse facts  | Multiply and Divide by 10 and 100 Use the above to convert between mm cm and m Halves and doubles to 100 Multiply 3 numbers Multiply by 1 and 0  | To recognise pairs of fractions that total 1 e.g. ¾ + ¼To recognise fraction and decimal equivalents ½ ¼ ¾ Awareness of equivalence Know that hundredths arise when a whole is divided by 100  | Place Value - tenths and hundredths Telling the Time Digital and analogue clocks Hours, minutes, secondsDays weeks months Awareness of weight conversionsMoney £ and p  | Reading graphs and tables Vocab – symmetry, obtuse, acute Co-ordinates in 1 quadrant  |

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 | Understanding of numbers to 1000000Add and – mentally with large numbers Adding more than 2 numbers To calculate what must be added to any four-digit numberto 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 Vocab Prime, Square, Common Factors, multiples, composites, cubes  | Know basic conversions between FDP ½ ¼ 1/5 1/10 1/100 Awareness of mixed numbers and improper fractions Awareness of simplification and common denominators  | Thousandths Doubles and halves decimals Further understanding of equivalence Money – using in context and problem solving Time conversions  | Weight conversionsUse of imperial measures Reading scales and applying measures Measure conversions cm m m km  | Co-ordinates in 4 quadrants Vocab – acute, obtuse, reflex Angles on straight line, full turn and shapes  |

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 | Revise counting in all multiples, fractions, decimals etc Numbers up to 10000000Halves and Doubles to beyond 100 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 + in context and simplify fractions to simplest form Common factors and multiples  | To calculate what must be added to a decimal with units,tenths and hundredths to make the next whole number, e.g. 7.26 + \_\_ = 8Weights of objects Lengths of objects Capacity of containers Conversion of measures Knowledge of algebra  | Money conversion Time conversion Recall square numbers to 12 x 12 Recall primes to 100 Knowledge of pie charts  | Mixed skills, application and practise**NB Y6 key skills involve revision of many KS2 aspects** | Mixed skills, application and practise  |