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

Description automatically generated

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 100  Multiply whole number by 10 and 100  To 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 parts  Reading 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 50 100  Find 10/100/1000 more and less  Place 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 number  to make the next multiple of 100  e.g. 521 + \_\_ = 600  Times 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 + ¼  To 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, seconds  Days weeks months  Awareness of weight conversions  Money £ 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 1000000  Add and – mentally with large numbers  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  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 conversions  Use 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 10000000  Halves 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 + \_\_ = 8  Weights 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 |