|  |  |  |  |
| --- | --- | --- | --- |
| **Year Group** | **Autumn** | **Spring** | **Summer** |
| **FS** | **FS1**   * **COLOUR – 2 WEEKS** * **MATCH – 2 WEEKS** * **SORT – 2 WEEKS** * **NUMBER 1 – 1 WEEK** * **NUMBER 2 – 2 WEEKS** * **PATTERN – 2 WEEKS** * **CONSOLIDATION** | **FS1**   * **NUMBER 3 – 2 WEEKS** * **NUMBER 4 – 2 WEEKS** * **NUMBER 5 – 2 WEEKS** * **CONSOLIDATION 5 – 1 WEEK** * **NUMBER 6 –INTRODUCE 10 FRAME – 1 WEEK** * **HEIGHT AND LENGTH – 1 WEEK** * **MASS – 1 WEEK** * **CAPACITY – 1 WEEK** * **CONSOLIDATION – 1 WEEK** | **FS1**   * **SEQUENCING – 1 WEEK** * **POSITIONAL LANGUAGE – 1 WEEK** * **MORE THAN/FEWER THAN – 1 WEEK** * **SHAPE 2D – 1 WEEK** * **SHAPE 3D – 1 WEEK** * **CONSOLIDATION** * **NUMBER COMPOSITION 5 – 1 WEEK** * **WHAT COMES AFTER – 1 WEEK** * **WHAT COMES BEFORE – 1 WEEK** * **NUMBERS TO 5 – 1 WEEK** * **CONSOLIDATION – 2 WEEKS** |
| **FS2**   * **GETTING TO KNOW YOU** * **MATCH, SORT AND COMPARE** * **TALK ABOUT MEASURE AND PATTERNS** * **IT’S ME 1,2,3** * **CIRCLES AND TRIANGLES** * **1,2,3,4,5** * **SHAPES WITH 4 SIDES** | **FS2**   * **ALIVE IN 5** * **CAPACITY** * **GROWING 6,7,8** * **LENGTH, HEIGHT AND TIME** * **BUILDING 9 AND 10** * **EXPLORE 3D SHAPES** | **FS2**   * **TO 20 AND BEYOND** * **HOW MANY NOW?** * **MANIPULATE, COMPOSE AND DECOMPOSE** * **SHARING AND GROUPING** * **VISUALISE, BUILD AND MAP** * **MAKE CONNECTIONS** * **CONSOLIDATION** |
| **YEAR 1** | **Fluency Bee** | **Fluency Bee** | **Fluency Bee** |
| **WHITE ROSE LONG TERM PLANNING V3** | | |
| **Number and place value (within 10)**  **Addition and subtraction (within 10)**  **Geometry – shape**  **Consolidation** | **Place value (within 20)**  **Addition and subtraction (within 20)**  **Place value within 50**  **Length and height**  **Mass and volume** | **Multiplication and division**  **Fractions**  **Position and direction**  **Place value (within 100)**  **Measurement – money**  **Measurement – time**  **Consolidation** |
| **YEAR 2** | **Fluency Bee** | **Fluency Bee** | **Fluency Bee** |
| **Times Tables**  **Autumn 1:**   * **Consolidate counting in steps of 2, 5 and 10 in order from 0 up to 12x**   **Autumn 2:**   * **Count in steps of 2 and 5 from 0 up to 12x fluently.** * **Recall multiples of 10 up to 12x10 in any order, including missing numbers and related division facts with growing fluency.** | **Times Tables**  **Spring 1:**   * **Recall multiples of 2 up to 12x2 in any order, including missing numbers and related division facts.** * **Recall multiples of 10 up to 12x10 fluently.**   **Spring 2:**   * **Recall multiples of 5 up to 12x5 in any order, including missing numbers and related division facts.** * **Recall multiples of 2 up to 12x2 in any order, including missing numbers and related division facts with growing fluency** | **Times Tables**  **Summer 1:**   * **Count in multiples of 3 to 12x3 in order from 0. Recall multiples of 2 up to 12x2 in any order, including missing numbers and related division facts fluently.** * **Recall multiples of 5 up to 12x5 in any order, including missing numbers and related division facts with growing fluency.**   **Summer 2:**   * **Count in multiples of 3 to 12x3 in order from 0 with growing fluency.** * **Recall multiples of 5 up to 12x5 in any order, including missing numbers and related division facts fluently.** |
| **WHITE ROSE LONG TERM PLANNING V3** | | |
| **Place Value**  **Addition and subtraction**  **Shape** | **Money**  **Multiplication and division**  **Time**  **Shape** | **Fractions**  **statistics**  **Position and Direction**  **Length and Height**  **Time** |
| **YEAR 3** | **Counting and Mental Calculations:**  **Numbers and counting**   * **Read 3-digit numbers using place value** * **Partition a 3-digit number** * **Partition a 4-digit number** * **Count in 20s, 200s, 2000s** * **Count along a number line** * **Count in 100s** * **Count in 1/10, 0.1** * **Partition a 1 decimal place number.**   **Addition**   * **Begin to add multiples of 10 to a 2 digit number E.g 25+30 (by counting in 10s or partitioning)** * **Choose most efficient mental strategies such as 63 + 29 is the same as 63 + 30 -1** * **Use number bonds to 10 when adding strings of single digit numbers E.g 6+3+4+9=** * **Number bonds to 100 E.g 36+64 (using known facts.**   **Subtraction**   * **Counting on, deriving subtraction facts to 20 if relevant E.g 19-17=2** * **Find a small difference by counting up from the smallest number** * **Say or write a subtraction statement corresponding to a given addition statement.** * **Subtracting nearest multiple of 10 and adjusting.**   **Multiplication:**   * **Through doubling, connect 2/4/8 x tables** * **Write and calculate mathematical statements for multiplication and division using the times tables that they know, including for 2-digit numbers x 1-digit numbers.** * **Multiply a number by 10/100 using place value – shifting digits to the left.**   **Division**   * **Use counting in 3s, 5s, 10s, to derive division facts phrased as how many groups of 3 in 12 etc** * **Say/write a division statement corresponding to a multiplication statement** * **Divide a number by 10/100 using place value – shifting digits to the right.** | | |
| **Instant Recall:**   * **Doubles of even numbers to 100** * **Halves of even numbers to 100 (including recognising 18 divided by 2 as finding a half).** | | |
| **Times Tables**  **Autumn 1:**   * **Count in multiples of 3 to 12x3 in order from 0 fluently**   **Autumn 2 :**   * **Recall multiples of 3 up to 12x3 in any order, including missing numbers and related division facts with growing fluency.** * **Count in multiples of 4 to 12x4 in order from 0 with growing fluency.** * **Introduce (relating to x4) and begin to count in multiples of 8 from 0 to 12x8** | **Times Tables**  **Spring 1:**   * **Recall multiples of 3 up to 12x3 in any order, including missing numbers and related division facts fluently.** * **Count in multiples of 4 to 12x4 in order from 0 with fluently.** * **Count in multiples of 8 to 12x8 in order from 0 with growing fluency**   **Spring 2:**   * **Recall multiples of 4 up to 12x4 in any order, including missing numbers and related division facts with growing fluency.** * **Count in multiples of 8 to 12x8 in order from 0 fluently** | **Times Tables**  **Summer 1:**   * **Recall multiples of 4 up to 12x4 in any order, including missing numbers and related division facts fluently.** * **Recall multiples of 8 up to 12x8 in any order, including missing numbers and related division facts with growing fluency.**   **Summer 2:**   * **Recall multiples of 8 up to 12x8 in any order, including missing numbers and related division facts fluently**. |
| **WHITE ROSE LONG TERM PLANNING V3** | | |
| **Place Value**  **Addition and subtraction**  **Multiplication and division** | **Multiplication and division**  **Length and perimeter**  **Fractions**  **Volume and capacity** | **Fractions**  **Money**  **Time**  **Shape**  **Statistics**  **Consolidation** |
| **YEAR 4** | **Counting and Mental Calculations:**  **Numbers and Counting**   * **Read up numbers up to 4 digits** * **Partition larger numbers using place value** * **Partition a 2 decimal place number** * **Count in 6/7/9** * **Count in 25s, 250s, 2500s** * **Count in 0.2s, 0.5s, 0.25s** * **Count in 1/5**   **Addition**   * **Add 3 or 4 small numbers using number bonds to 10** * **Add 2 digits mentally using most efficient method e.g. partitioning, compensating, near doubles, bridging, counting on.** * **Apply knowledge of number bonds to add 3-digit numbers e.g. 264 + 436** * **Add thousands using known number bonds** * **Add tenths**   **Subtraction**   * **Subtract 2 digits mentally – 63 – 26 (counting on/back compensating or bridging)** * **Find compliments to 100 e.g. 100 – 64 (counting on strategy)** * **Add or subtract 9,19,29,11,21 et by rounding and compensating.**   **Multiplication**   * **Derive multiplication and division facts.** * **Use division facts to derive related facts e.g. 3 x 2 = 6, 30 x 2 = 60** * **multiply whole numbers by 100 (13x100) using place value**   **Division**   * **Use half and half again for division by 4** * **Divide whole numbers by 10/100 using place value knowledge** * **Divide whole numbers by 10/100 giving a decimal answer.** * **Calculate division facts with remainders of 2,3,4,5,10 TT as decimals e.g. half of 3 = 1.5** * **Find half of 2-digit numbers e.g. 38 divided by 2 = 19** | | |
| **Instant Recall:**   * **Half of 30,50,70,90** | | |
| **Times Tables**  **Autumn 1:**   * **Recall multiples of 3, 4 and 8 up to 12 x in any order, including missing numbers and related division facts fluently.** * **Fluently count in 6’s in order up to 12 x 6, using multiples of 3 to support**   **Autumn 2:**   * **Recall multiples of 6 in any order, including missing numbers and related division facts with growing fluency.** * **Fluently count in 9’s in order up to 12 x 9, using multiples** of 3 to support. | **Times Tables**  **Spring 1:**   * **Recall multiples of 6 in any order, including missing numbers and related division facts fluently.** * **Recall multiples of 9 in any order, including missing numbers and related division facts with growing fluency.** * **Explore the relationship between the 3, 6 and 9 times tables.**   **Spring 2:**   * **Recall multiples of 9 in any order, including missing numbers and related division facts fluently (using 10 x and adjusting by 1 group to find 9 x as a strategy).** * **Fluently count in 7’s in order up to 12 x 7. Fluently count in 11’s in order up to 12 x 11.** | **Times Tables**  **Summer 1:**   * **Recall multiples of 7 in any order, including missing numbers and related division facts with growing fluency.** * **Recall multiples of 11 in any order, including missing numbers and related division facts fluently.** * **Fluently count in 12’s in order up to 12 x 12. Understand what happens when multiplying and dividing by 1. Understand what happens when multiplying by 0.**   **Summer 2:**   * **Recall all times tables facts fluently.** |
| **WHITE ROSE LONG TERM PLANNING V3** | | |
| **Place Value**  **Addition and Subtraction**  **Area**  **Multiplication and division**  **Consolidation** | **Multiplication and division**  **Length and Perimeter**  **Fractions**  **Decimals** | **Decimals**  **Money**  **Time**  **Consolidation**  **Shape**  **Statistics**  **Position and Direction** |
| **YEAR 5** | **Counting and Mental Calculations:**  **Addition**   * **Know number bonds to 1000** * **Number bonds to 1 to 1DP** * **Number bonds to 1 to 2DP** * **add hundredths (0.03 + 0.04)**   **Subtraction**   * **Use counting on/back e.g 2003-1999** * **Use knowledge of number of number facts and place value to subtract pairs of 3-digit multiples of 10** * **Use number bonds to 10 to 1DP/2DP** * **Number bonds to 10/100 to 2 DP**   **Multiplication**   * **Use place value to multiply a whole number by 10/100** * **Divide decimals by 10/100** * **Multiply 2 multiples of 10 together using known facts 40 x 30 (4 x 3)** * **Use partitioning to multiply teens number by single digit 14 x 6 = 10 x 6/4x6**   **Division**   * **Divide whole numbers by 10/100** * **Divide decimals by 10/100** * **Mental chunking e.g. £5 divided by 45p** * **Find factors of numbers** | | |
| **Instant Recall:**   * **Number bonds to 100** * **Addition facts – 0.7 = 0.9** * **Half of decimals** * **Doubles of tenths to 0.9** * **Half of 1,3,5,7,9,** | | |
| **TIMES TABLES**  Recall multiples of 12 in any order, including missing numbers and related division facts fluently. Recall multiples of all times tables up to 12 x 12 in any order, including missing numbers and related division facts with growing fluency | | |
| **WHITE ROSE LONG TERM PLANNING V3** | | |
| **Place Value**  **Addition and subtraction**  **Multiplication and Division**  **Fractions A** | **Multiplication and division**  **Fractions B**  **Decimals and percentages**  **Decimals**  **Statistics** | **Perimeter and area**  **Shape**  **Position and Direction**  **Negative Numbers**  **Converting units**  **Volume** |
| **YEAR 6** | **Counting and Mental Calculations:**  **Counting and Number**   * **Understand numbers with different decimal places** * **Find the gap between a negative number and a positive number**   **Addition**   * **Decimal number bonds to 10/100 using 2 dp e.g. 2.33 + \_\_\_ = 10 32.64 + \_\_\_ =100**   **Subtraction**  **AS Y5**  **Multiplication**   * **Multiply decimals and whole numbers by 10/100/1000** * **Multiply a 2-digit number by a single digit number.**   **Division**   * **Divide decimals and whole numbers by 10/100/1000** * **Identify common factors, common multiples and prime numbers.** | | |
| **Instant Recall:**   * **Addition facts hundredths up to 0.09 e.g – 0.07 + 0.09 = 0.16** * **Subtraction bonds to 100** * **Times tables and place value calculations such as 40 x 3** * **Squares of all integers 1 – 10** * **Identify common factors, multiples and prime numbers** * **Doubles of hundredths up to 0.9** * **Square roots of square numbers to 100** * **Halves of decimals to 1DP for even tenths** * **Halves of decimals for odd tenths.** | | |
| **TIMES TABLES**  Recall multiples of 12 in any order, including missing numbers and related division facts fluently. Recall multiples of all times tables up to 12 x 12 in any order, including missing numbers and related division facts with growing fluency | | |
| **WHITE ROSE LONG TERM PLANNING V3** | | |
| **Place value**  **Addition, subtraction, multiplication, division**  **Fractions A**  **Fractions B**  **Converting units**  **Shape and Geometry** | **Ratio**  **Algebra**  **Decimals**  **Fractions, decimals, percentages**  **Area, Perimeter and volume**  **Statistics** | **Shape**  **Position and direction**  **Above will be used for gaps in learning and revision.**  **Review and consolidation**  **White Rose/ Trinity Academy transition projects** |