|  |  |  |
| --- | --- | --- |
| **Number** | **Geometry and Measure** | **Algebra** |
| **Statistics** | **Probability** | **Ratio and Proportion** |

**CURRICULUM OVERVIEW 2024 – 2025 YEAR 5**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **YR 5** | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
|  | **Units**   * Place value (Week 1-3) * Addition & Subtraction   (Week 4-5) | **Units**   * Multiplication&division A (Weeks 6-8) * Fractions Week (9-12) | **Units**   * Multiplication and Division   (week 1-3)   * Fractions   (wk 4-6) | **Units**   * Decimals & Percentage (week 6-8) * Perimeter & area   (week 9-10)   * Statistics (weeks 11-12) | **Units**   * Shape (wk 1-3) * Position & Direction (4-5) * Decimals (week 6-8) | **Units**   * Negative Number wk 9 * Measure - Converting Units (week 10-11) * Measurement volume   (week 12) |
| **Key new knowledge** | **Place Value**   * Roman numerals to 1,000 * Numbers to 10,000 * Numbers to 100,000 * Numbers to 1million * Read and write numbers to 1million * Powers of 10 * 10/100/1,000/10,000/100,000 more or less * Partition numbers to 1,000,00 * Number line to 1,000,000 * Compare and order numbers to 1,000,000 * Round to the nearest 10, 100 or 1,000 * Round within 100,000 * Round within 1,000,000   **Addition and Subtraction**   * Mental strategies * Add whole numbers with more than four digits * Subtract whole numbers with more than four digits * Round to check answers * Inverse operations * Multi-step addition and subtraction problems * Find missing numbers | **Multiplication & division**   * Multiples and Common multiples * Factors and common factors * Prime, Square, Cubes * Multiply by 10, 100 and 1,000 * Divide by 10, 100 and 1,000 * Multiples of 10, 100 and 1,000   **Fractions**   * Find fractions equivalent to a unit and no unit fraction. * Recognise equivalent fractions * Convert improper fractions to mixed numbers vice versa * Compare and order fraction less than 1. * Compare and order fractions greater than 1 * Add and subtract fractions with the same denominator * Add and subtract fractions | **Multiplication and Division**   * Multiply up to a 4-digit number by a 1-digit number * Multiply a 2-digit number by a 2-digit number (area model) * Multiply a 2-digit number by a 2-digit number * Multiply a 3-digit number by a 2-digit numberMultiply a 4-digit number by a 2-digit number * Solve problems with multiplication * Short division * Divide a 4-digit number by a 1-digit number * Divide with remainders * Efficient division * Solve problems with multiplication and division   **Fractions**   * Multiply a unit fraction by an integer * Multiply a non-unit fraction by an integer * Multiply a mixed number by an integer * Calculate a fraction of a quantity * Fraction of an amount * Find the whole * Use fractions as operators | **Decimals and Percentages**   * Decimals up to 2 decimal places * Equivalent fractions and decimals (tenths) * Equivalent fractions and decimals (hundredths) * Equivalent fractions and decimals * Thousandths as fractions & decimals * Thousandths on a place value chart * Order and compare decimals (same number of decimal places) * Order and compare decimals up to 3dp * Round to the nearest whole number * Round to 1 decimal place * Understand % * Percent as fractions * Percent as decimals * Equivalent fractions, decimals and percentages   **Statistics**   * Draw, read & interpret line graphs * Read & interpret tables * Read & interpret timetables | **Shape**   * Understand and use degrees * Classify angles * Estimate angles * Measure angles up to 180° * Draw lines and angles accurately * Calculate angles around a point * Calculate angles on a straight line * Lengths and angles in shapes * Regular and irregular polygons * 3d Shapes   **Position and Direction**   * Read and plot coord * Problem solving w coord * Translation with coord * Lines of symmetry * Reflection in horizontal and vertical lines   **Decimals**   * Add and subtract decimals within across 1 * Add & sub decimals with the same/different dp * strategies for add/sub * Decimal sequences * Multiply & divide dec – missing values. | **Negative Number**   * Understand negative numbers * Count through zero in 1s * Count through zero in multiples * Compare & order negative numbers * Find the difference   **Converting units**   * Kilograms and kilometres * Millimetres and millilitres * Convert units of length * Convert between metric and imperial units * Convert units of time * Calculate with timetables   **Volume**   * Cubic centimetres * Compare volume * Estimate volume * Estimate capacity |
| **Assessments** | Arithmetic Test  Problem Solving and Reasoning Test | Arithmetic Test  Problem Solving and Reasoning Test/Consolidation | Arithmetic Test  Problem Solving and Reasoning Test | Arithmetic Test  Problem Solving and Reasoning Test | Arithmetic Test  Problem Solving and Reasoning Test | Arithmetic Test  Problem Solving and Reasoning Test/Consolidation |