**Mathematics overview Whole School 21-22**

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| EYFS | Number  Have a deep understanding of number to 10 - Subitise (recognise quantities without counting) up to 5;  - Automatically recall number bonds up to 5 (including subtraction facts) and some number bonds to  10, including double facts.  **Numerical patterns**  Verbally count beyond 20, recognising the pattern of the counting system;  - Compare quantities up to 10 greater than, less than or the same as the other quantity;  - Explore and represent patterns within numbers up to 10, including evens and  odds, double facts and how quantities can be distributed equally  **Shape, space and measures:**  length, weight and capacity, 2D and 3D shapes, position,  direction and movement |
| Y1/2 | **Number:**  Number and place value; addition and subtraction; multiplying and dividing; fractions.  **Measurement**  Capacity and volume, mass, length, time, money  **Geometry:**  Properties of shapes, position, and direction.  **Statistics (Y2)**  **Fluency, reasoning, and problem solving across all areas.** |
| Y2/3 | **Number:**  Number and place value; addition and subtraction; multiplying and dividing; fractions  **Measurement**  Capacity, mass, perimeter, length, and time (including Roman Numerals, 12-hour and 24-hour clocks)  **Geometry:**  Properties of a shape, angles, position, and direction., symmetry  **Statistics**  Bar charts, pictograms, tables, solving one and two step questions and interpreting data in many contexts.  **Fluency, reasoning, and problem solving across all areas.** |
| Y4/5 | **Number**  place value, addition and subtraction, multiplications and division, fraction (including decimals Y4 and decimals and percentages Y5)  **Measurement**  Converting between units of measurement, perimeter, area, (volume Y5) estimating, comparing, and calculating money and other measures. Solving measures problems including scaling.  **Geometry** – properties of shape  **Geometry-** position and direction.  **Statistics**  Interpret and present data using a range of graphical methods. Solving problems using information presented.  (Y5 information in tables-including timetables.)  **Fluency, reasoning and problem solving across all areas.** |
| Y5/6 | **Number** - place value  **Number-**addition, subtraction, multiplication, and division  **Number-**fractions (including decimals and percentages)  **Ratio and proportion**  **Algebra**  **Measurement-**mass, volume, and capacity, perimeter, area, length, time  **Geometry-**properties of shapes  **Geometry-** position and direction  **Statistics**  **Fluency, reasoning and problem solving across all areas.** |