Saint Paulinus CE Primary School

## Maths Curriculum Year 5 : Summer 1 Medium Term Planning

| W | Title | Curriculum objective |
|---|-------|---------------------|
| 1 | **Calculations: Number**<br>Negative numbers and Roman numerals | To count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000.<br><br>To interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers through zero.<br><br>To round any number up to 1,000,000 to the nearest 10, 100, 1000, 10,000 and 100,000.<br><br>To solve number problems and practical problems that involve all of the above.<br><br>To solve number problems and practical problems that involve all of the above. |
| 2 | **Calculations: Addition and Subtraction**<br>Adding and subtracting large and small numbers | To add and subtract whole numbers with more than 4 digits, including using efficient written methods (columnar addition and subtraction).<br><br>To add and subtract numbers mentally with increasingly large numbers.<br><br>To solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.<br><br>To use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.<br><br>To solve problems involving numbers up to three decimal places. |
| 3 | **Calculations: Multiplication and Division**<br>Long multiplication and division with remainders | To multiply numbers up to 4 digits by a one- or two-digit number using an efficient written method, including long multiplication for two-digit numbers.<br><br>To divide numbers up to 4 digits by a one-digit number using the efficient written method of short division and interpret remainders appropriately for the context.<br>To solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign. |
| 4 | **Fractions**<br>Working with fractions | To recognise mixed numbers and improper fractions and convert from one form to the other; write mathematical statements > 1 as a mixed number: 2/5 + 4/5 = 6/5 = 11/5.<br>To add and subtract fractions with the same denominator and multiples of the same number. |
| 5 | **Geometry of Shape**<br>Diagonals and problems involving angles | To know angles are measured in degrees; estimate and compare acute, obtuse and reflex angles<br><br>To draw given angles, and measure them in degrees (º).<br><br>To identify: angles at a point and one whole turn (total 360º); angles at a point on a straight line and 1/2 a turn (total 180º); other multiples of 90º .<br><br>To use the properties of a rectangle to deduce related facts and find missing lengths and angles.<br><br>To distinguish between regular and irregular polygons based on reasoning about equal sides and angles. |
| 6 | **Geometry of Shape**<br>Diagonals and problems involving angles | To estimate volume (e.g. using 1 cm3 blocks to build cubes and cuboids) and capacity (e.g. using water).<br><br>To use all four operations to solve problems involving measure (e.g. length, mass, volume, money) using decimal notation including scaling<br><br>To solve problems involving converting between units of time. |
| **Assess and review** | | To assess and review the half-term's work. |