**THIRD TERM MATHS PLAN FOR YEAR 5 (April 5 – June 5 2020)**

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| **Title /Time**  **Summer 1 & 2** | **NC Objectives** | **PTM Focus** | **Text Book and Page number** | | **Self-Assessment** | | |
| Number – fractions (including decimals and percentages)  **Time : 2 weeks** | * Adding and subtracting decimals (1)/ Solve problems involving number up to three decimal places. * Adding and subtracting decimals / Solve problems involving number up to multiple decimal places * Decimal sequences/ Read, write, order and compare numbers with up to three decimal places. * Multiplying decimals by 10, 100 and 1,000/ Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents/ Solve problems involving number up to three decimal places. | Apply the knowledge of the concept of percentages and fractions in solving problems  Recognise families of common equivalent fractions. | **5C (Term)**  **P: 6 - 64** | **Unit**  **12** | Red | Amber | Green |
| Geometry – properties of shapes**.**  **Time : 2 week** | Measuring angles in degrees/  –angles at a point and one whole turn (total 360°)  Angles at a point on a straight line and <stacked fraction> a turn (total 180°)  Multiples of 90°/ Know angles are measured in degrees:  Estimate and compare acute, obtuse and reflex angles.  Measuring with a protractor (2)/Identify:  Angles at a point and one whole turn (total 360°)  Angles at a point on a straight line and <stacked fraction> a turn (total 180°)  Multiples of 90°/ Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles | Identify different types of angles, understand angles as a measure of a turn, not just a static measurement | **5C (Term)**  **P: 70 – 99** | **Unit**  **13** |  |  |  |
| Geometry – properties of shapes  **Time : 1 week** | Recognising and drawing perpendicular lines/ Use the properties of rectangles to deduce related facts and find missing lengths and angles/ Identify:  –angles at a point and one whole turn (total 360°) –angles at a point on a straight line and <stacked fraction> a turn (total 180°)  –other multiples of 90°.  Regular and irregular polygons/ Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.  Reasoning about 3D shapes/ Identify 3D shapes, including cubes and other cuboids, from 2D representations | Identify properties of quadrilaterals including lines of symmetry. | **5C (Term)**  **P: 102 -123** | **Unit**  **14** |  |  |  |
| Geometry – position and direction  **Time : 1 week** | Reflection/ Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and  know that the shape has not changed.  Translation with coordinates/ Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and  know that the shape has not changed. |  | **5C (Term)**  **P: 126 - 143** | **Unit**  **15** |  |  |  |
| Measurement  **Time : 2 weeks** | . Metric units (2)/ Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre).  Imperial units of length/ Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints.  Problem solving – measure/ Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling |  | **5C (Term)**  **P: 146 - 187** | **Unit**  **16** |  |  |  |
| Measurement  **Time : 1 week** | Comparing volumes/ Estimate volume [for example, using 1 cm3 blocks to build cuboids (including cubes)] and capacity [for example, using water] |  | **5C (Term)**  **P: 190 - 207** | **Unit**  **17** |  |  |  |
|  | Estimating volume/ Estimate volume [for example, using 1 cm3 blocks to build cuboids (including cubes)] and capacity [for example, using water] |  |  |  |  |  |  |