**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 problemsRecognise 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] |  |  |  |  |  |  |