**Year 6 Summer Maths**

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| Prior Learning | | | |
| Shape  Position and direction  Themed projects, consolidation and problem solving | | | |
| Key vocabulary for this unit | | | |
| **Shape**  Angle  Right angle  Acute  Obtuse  Reflex  Protractor  Horizontal  Vertical  Parallel  Perpendicular  Polygon  Regular  Irregular  Two-dimensional  Three-dimensonal  Flat face  Curved surface  Edge  Curved edge  Vertex  Vertices  Apex  Radius  Diameter  circumference | | **Position and direction**  Translate  Translation  Reflect  Reflection  Up  Down  Right  Left  Co-ordinates  Quadrant  x-axis  y-axis  horizontal  vertical | **Themed projects, consolidation and problem solving**  All vobularly re-looked at that has been looked at in previous units. |
| Learning Sequence | | | |
| **Shape** | * To measure and classify angles * To calculate angles * Vertically opposite angles * Angles in a triangle/missing angles/special cases * Angles in quadrilaterals * Angles in polygoms * Circles * To draw shapes accurately * Nets of 3D shapes | | |
| **Position and direction** | * The first quadrant * Read and plot points in 4 quadrants * Solve problems with co-ordinates * Translations * reflections | | |
| **Themed projects, consolidation and problem solving** | * To consolidate all objectives that have been looked at throughout the year in themed-based tasks and projects. | | |
| Assessment milestones | | | |
| **Mathematical skills:**  **Shape**   * draw 2-D shapes using given dimensions and angles * recognise, describe and build simple 3-D shapes, including making nets * compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons * illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius * recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles   **Position and direction**   * describe positions on the full coordinate grid (all 4 quadrants) * draw and translate simple shapes on the coordinate plane, and reflect them in the axes   **Themed projects, consolidation and problem solving**  \*OBJECTIVES THROUGHOUT THE YEAR ARE LOOKED AT AGAIN AND ARE APPLIED TO PROBLEM-SOLVING BASED TASKS AND PROJECT WORK. | | | |