**Maths Medium Term Planning**

**Year Six**

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| **WR Block: Position and direction** | | **Summer Term** | |
| **National Curriculum Objectives** | **Small Steps** | **Prior Learning** | **Future Progression** |
| * Describe positions on the full coordinate grid (all four quadrants). * Draw and translate simple shapes on the coordinate plane, and reflect them in the axes. | * The first quadrant. * Read and plot points in four quadrants. * Solve problems with coordinates. * Translations. * Reflections. | **Y5**   * 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. | **KS3**   * Identify properties of, and describe the results of, translations, rotations and reflections applied to given figures. * Identify and construct congruent triangles, and construct similar shapes by enlargement, with and without coordinate grids. |
| **Key Vocabulary**  **New Vocabulary:**  intersecting, intersection  plane | **Key Vocabulary:**  **Previous Year Group:**  maximum/minimum value  outcome  axis of symmetry, reflective symmetry  Congruent | **Stem Sentences:**  The first value in a pair of coordinates is for the \_\_\_ axis and the second value is for the \_\_\_ axis.  The x-coordinate of the point is \_\_\_ and the y-coordinate is \_\_\_. The point is ( \_\_\_,\_\_\_ ).  The x-coordinate/ y-coordinate of a point in the \_\_\_\_ quadrant is \_\_\_\_\_\_.  On a horizonal line, the \_\_\_ value of the coordinates of any point will remain the same.  On a vertical line, the \_\_\_ value of the coordinates of any point will remain the same.  If the x-/y-coordinate of the vertex is \_\_\_\_, I know that the x-/y-coordinate of the other vertex must be \_\_\_\_.  The vertex is \_\_\_\_ squares away from the mirror line, so the corresponding vertex also needs to be \_\_\_\_ squares away from the mirror line. | |
| **Concrete, Pictorial, Abstract Models/ Calculations** | | | |