**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.
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| **Key Vocabulary****New Vocabulary:**intersecting, intersectionplane | **Key Vocabulary:****Previous Year Group:**maximum/minimum valueoutcomeaxis of symmetry, reflective symmetryCongruent | **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** |