**Maths Medium Term Planning**

**Year Four**

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| **WR Block: Geometry: Position and Direction** | | **Summer Term** | |
| **National Curriculum Objectives** | **Small Steps** | **Prior Learning** | **Future Progression** |
| * Describe positions on a 2-D grid as coordinates in the first quadrant. * Describe movements between positions as translations of a given unit to the left/right and up/down. * Plot specified points and draw sides to complete a given polygon. | * Describe position using coordinates * Plot coordinates * Draw 2-D shapes on a grid * Translate on a grid * Describe translation on a grid | **Y3:**   * Recognise angles as a property of shape or a description of a turn. * Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle. | **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. |
| **Key Vocabulary**  **New Vocabulary:**  north-east, north-west, south-east,  south-west, NE, NW, SE, SW  translate, translation  rotate, rotation, degree, reflection  ruler, set square  angle measurer, compass | **Key Vocabulary:**  **Previous Year Group:**  compass point  north, south, east, west, N, S, E, W  horizontal, vertical, diagonal  angle ... is a greater/smaller angle than  acute angle  obtuse angle | **Stem Sentences**  Look at the ... axis before the ... axis.  The first value in a pair of coordinates is the ... value and the second value is the ....  The coordinates of point A are ...  The first/ second value in a pair of coordinates tells me how far along the ... axis the point is.  Read the ... value before the ...value.  When translating a point ..., the ... value stays the same.  Point A translates ... squares to the left/ right and ... squares up/ down. The new coordinates of point A are ... | |
| **Concrete, Pictorial, Abstract Models/ Calculations** | | | |