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**Mathematics Faculty**

**Year 8 Summer Term 2 - Sigma Scheme**

**Unit 11 Overview - Measurement and Transformations**

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| **Topic** | **Key Ideas** | **Progress** | | |
| **R** | **A** | **G** |
| **Measurement and Transformations** | I can transform shapes by a combination of reflections, rotations, translations and enlargements |  |  |  |
| I can describe transformations |  |  |  |
| I can bisect lines and angles |  |  |  |
| I can construct a perpendicular line from a point to a line and from a point on a line |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | **Transforming shapes by a combination of reflections, rotations, translations and enlargements** (CM clips 104a, 107, 272, 275 & 325) | Formative assessment strategies e.g. MWBs, whole class questioning, Diagnostic Questions, SLOP time with self-assessment, Live Marking etc.  Assessment is also supported with our use of ILOs, which alternate between Basic Skills Checks one week and then a more individual ILO the following set through Century and Corbettmaths (see learning focus).  Finally, every unit is assessed half-termly as part of our Assessment Calendar in Mathematics. | transformation, reflection, rotation, direction, angle, translation, vector, enlargement, scale factor, centre |
| **2** | Describing transformations  (CM clips 105, 273, 275 & 326) | transformation, reflection, rotation, direction, angle, translation, vector, enlargement, scale factor, centre |
| **3** | Bisecting lines and angles. Constructing a perpendicular line from a point to a line and from a point on a line (CM clips 72, 78, 79 & 80) | bisect, line, perpendicular, point, compass, angle |