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**Mathematics Faculty**

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

**Unit 11 Overview - Transformations**

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| **Topic** | **Key Ideas** | **Progress** | | |
| **R** | **A** | **G** |
| **Transformations** | I can identify quadrilaterals by their angle and symmetry properties. |  |  |  |
| I can reflect, rotate, translate and enlarge shapes. |  |  |  |
| I can describe transformations. |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | Identifying quadrilaterals by their angle and symmetry properties (CM clip 2) | 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, set through Century Learning and Corbettmaths.  Finally, units are assessed through skills checks and half termly assessments, as part of our Assessment Calendar in Mathematics. | quadrilateral, square, rectangle, parallelogram, kite, trapezium, angle, symmetry |
| **2** | **Reflecting shapes in the axes, lines parallel to the axes and in the lines y=+/-x** (CM clip 272) | reflect, axis, line, horizontal, vertical, parallel, diagonal |
| **3** | **Rotating shapes on a grid** (CM clip 275) | rotation, point, direction, (anti)clockwise, degree, centre, axis |
| **4** | **Translating shapes using vectors** (CM clip 325) | translate, direction, vector |
| **5** | **Enlarging shapes by a positive** **scale factor** (CM clip 104) | enlarge, scale factor, positive |
| **6** | Describing single transformations  (CM clips 105, 273, 275 & 326) | transformation, reflection, rotation, direction, angle, translation, vector, enlargement, scale factor, centre |