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**Mathematics Faculty**

**Year 11 Foundation - Autumn Term 1**

**Unit 3 Overview – Transformations**

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| **Topic** | **Key Ideas** | **Progress** | | |
| **R** | **A** | **G** |
| **Transformations** | I can reflect shapes on a coordinate grid. |  |  |  |
| I can rotate shapes on a coordinate grid. |  |  |  |
| I can translate shapes using vectors. |  |  |  |
| I can enlarge shapes by a positive and negative scale factor. |  |  |  |
| I can describe transformations fully. |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | **Reflecting shapes on a coordinate grid (CM clips 272 – 274)** | 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, Corbettmaths, Dr Frost Maths and Justmaths.  Finally, units are assessed through staples challenges and half termly assessments, as part of our Assessment Calendar in Mathematics. | reflect, symmetry, axis, equation |
| **2** | **Rotating shapes on a coordinate grid (CM clip 275)** | rotate, centre, angle, direction, clockwise, ant-clockwise |
| **3** | **Translating shapes by a vector (CM clips 325 – 326)** | translate, vector, direction |
| **4** | **Enlarging shapes by a positive and fractional scale factor (CM clips 104 – 107 & 109)** | enlarge, centre, scale factor, positive, fractional |