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**Mathematics Faculty**

**Year 7 Summer Term 2 - Pi Scheme**

**Unit 11 Overview - Measurement and Transformations**

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| **Topic** | **Key Ideas** | **Progress** | | |
| **R** | **A** | **G** |
| **Measurement and Transformations** | I can convert metric units. |  |  |  |
| I can convert time units. |  |  |  |
| I can solve problems involving measurement. |  |  |  |
| I can reflect shapes in horizontal, vertical and diagonal lines. |  |  |  |
| I can identify the order of rotational symmetry. |  |  |  |
| I can rotate shapes about a point. |  |  |  |
| I can translate shapes. |  |  |  |
| I can identify quadrilaterals by their angle and symmetry properties. |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | Converting metric units  (CM clips 349a-349c) | 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. | kilometre, metre, centimetre, millilitre, kilogram, gram, litre, centilitre, millilitre |
| **2** | Converting time units (CM clip 322) | year, month, week, day, hour, minute, second |
| **3** | Solve problems involving measurement (CM clips 349a-c & 322) | length, height, weight, capacity, time |
| **4** | **Reflecting shapes in horizontal, vertical and diagonal lines** (CM clip 272) | reflection, axis, line, mirror |
| **5** | Identifying the order of rotational symmetry (CM clip 317) | rotation, order |
| **6** | **Rotating shapes about a point** (CM clip 275) | rotation, point, direction, (anti)clockwise, degree |
| **7** | **Translating shapes** | translate, direction |
| **8** | Identifying quadrilaterals by their angle and symmetry properties (CM clip 2) | quadrilateral, square, rectangle, parallelogram, kite, trapezium, angle, symmetry |