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**Mathematics Faculty**

**Year 8 Summer Term 1 - Theta Scheme**

**Unit 10 Overview - Coordinates and Graphs**

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| **Topic** | **Key Ideas** | **Progress** | | |
| **R** | **A** | **G** |
| **Coordinates and Graphs** | I can plot coordinates in all four quadrants. |  |  |  |
| I can give the coordinates of missing vertices of shapes. |  |  |  |
| I can recognise and sketch graphs of linear functions that are parallel to the axes and of the form y = +/- x. |  |  |  |
| I can plot simple linear graphs. |  |  |  |
| I can read and interpret graphs in context. |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | **Plotting coordinates in all four quadrants** (CM clip 84) | 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. | plot, coordinate, quadrant, positive, negative, axis |
| **2** | Finding the coordinates of missing vertices of shapes (CM clip 85) | plot, coordinate, quadrant, positive, negative, axis, vertices, triangle, isosceles, equilateral, rectangle, parallelogram |
| **3** | **Recognising and sketching graphs of linear functions that are parallel to the axes. Recognising and sketching y = +/- x graphs** (CM clips 192 & 193) | linear, graph, parallel, axis, horizontal, vertical, sketch |
| **4** | Plotting simple linear graphs  (CM clips 186 & 187) | coordinate, generate, graph, linear, equation, substitute |
| **5** | Reading and interpreting graphs in context. | graph, linear, coordinate, interpret |