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**Mathematics Faculty**

**Year 11 Foundation - Autumn Term 1**

**Unit 2 Overview - Algebraic Graphs 2**

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| **Topic** | **Key Ideas** | **Progress** | | |
| **R** | **A** | **G** |
| **Algebraic Graphs 2** | I can construct and interpret quadratic graphs. |  |  |  |
| I can construct and interpret cubic graphs. |  |  |  |
| I can construct and interpret reciprocal graphs. |  |  |  |
| I can recognise a graph from its shape. |  |  |  |
| I can interpret non-linear graphs modelling real-life situations. |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | **Constructing and interpreting quadratic graphs (CM clips 264 & 265)** | 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. | quadratic, table of values, parabola, axis, intercept, root, turning point, minimum, maximum, symmetry, equation, solution |
| **2** | Constructing and interpreting cubic graphs (CM clip 344) | cubic, table of values, equation, substitute, intercept |
| **3** | Constructing and interpreting reciprocal graphs (CM clip 346) | reciprocal, table of values, equation, substitute |
| **4** | Interpreting non-linear graphs modelling real-life situations. | graph, non-linear, curve, parabola, minimum, maximum, interpret, value |