** Mathematics Faculty**

**Year 9 Summer Term 1 - Alpha Scheme**

**Unit 9 Overview - Special Numbers and Rounding**

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| **Topic** | **Key Ideas** | **Progress** |
| **R** | **A** | **G** |
| **Proportion** | I can round to a given number of significant figures. |  |  |  |
| I can estimate calculations by approximating. |  |  |  |
| I can estimate the value of the powers and roots. |  |  |  |
| I can identify upper and lower bounds. |  |  |  |
| I can use inequality notations to describe error intervals. |  |  |  |
| I can solve problems involving bounds and error intervals. |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | Rounding to a given number of significant figures. Estimating calculations by rounding to one significant figure (CM clips 215 & 279a) | 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. | significant figure, place value, round, estimate, approximate |
| **2** | Estimating the value of the powers and roots (CM clips 212, 214, 215, 226 & 228) | estimate, approximate, round, square, cube, root |
| **3** | **Identifying upper and lower bounds** and solving problems involving bounds (CM clip 280) | bound, round, lower, upper |
| **4** | **Using inequality notation to describe error intervals** and solving problems involving error intervals (CM clips 183 & 184) | bound, round, upper, lower, inequality, less than, greater than, error, interval |