****

 **Mathematics Faculty**

 **Year 10 Higher – Summer Term 1**

 **Unit 9 Overview – Accuracy and Estimation**

|  |  |  |
| --- | --- | --- |
| **Topic** | **Key Ideas** | **Progress** |
| **R** | **A** | **G** |
| **Accuracy and Estimation** | I can round to a given number of significant figures. |  |  |  |
| I can use approximation to estimate the value of calculations. |  |  |  |
| I can solve problems involving bounds and error intervals. |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | Rounding to a given number of significant figures (CM clip 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, Corbettmaths, Dr Frost Maths and Justmaths.Finally, units are assessed through skills checks and half termly assessments, as part of our Assessment Calendar in Mathematics. | round, significant figure, place value |
| **2** | Estimating the value of a power or root of any given positive number (CM clips 212, 214, 215, 226 & 228) | power, index, square, cube, root, estimate, approximate |
| **3** | **Using approximation to estimate the value of a calculation** (CM clip 215) | round, significant figure, approximate, estimate, calculation |
| **4** | Identifying upper and lower bounds for discrete data and solving problems involving bounds (CM clip 183) | round, bound, upper, lower, minimum, maximum |
| **5** | **Using inequality notation to describe error intervals and solving problems involving error intervals** (CM clip 184) | round, error interval, inequality, upper, lower, maximum, minimum |