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**Mathematics Faculty**

**Year 7 Summer Term 1 - Delta Scheme**

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

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| **Topic** | **Key Ideas** | **Progress** | | |
| **R** | **A** | **G** |
| **Special Numbers and Rounding** | I can round to a given number of decimal places and significant figures. |  |  |  |
| I can write a number as a product of its prime factors. |  |  |  |
| I can find HCFs and LCMs from prime factor decomposition. |  |  |  |
| I can calculate squares, cubes and roots. |  |  |  |
| I can use a calculator efficiently. |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | **Rounding to a given number of decimal places** (CM clip 278) | 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. | decimal, place value, tenth, hundredth, thousandth, round |
| **2** | Rounding to a given number of significant figures (CM clip 279a) | significant figure, place value, round |
| **3** | **Writing a number as a product of its prime factors** (CM clip 223) | product, prime, factor, decomposition |
| **4** | Find HCFs and LCMs from prime factor decomposition (CM clip 224) | product, prime, factor, decomposition, highest common factor, lowest common multiple |
| **5** | Calculating positive and negative squares, cubes and roots (CM clips 212 – 214 & 226 – 228) | square, power, index, root, cube |
| **6** | **Using a calculator efficiently, including powers greater than 2, 3, 4 and 5, roots, brackets, negatives and fractions** (CM clip 352) | power, index, square, cube, root, bracket, fraction, negative |