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**Mathematics Faculty**

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

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

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| **Topic** | **Key Ideas** | **Progress** | | |
| **R** | **A** | **G** |
| **Special Numbers & Rounding** | I can round to a given number of decimal places. |  |  |  |
| I can find common multiples and LCMs. |  |  |  |
| I can find common factors and HCFs. |  |  |  |
| I can list prime numbers less than 100. |  |  |  |
| 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** | **Finding common multiples of two numbers and LCMs** (CM clips 218 & 220) | multiple, lowest common multiple, LCM |
| **3** | **Finding common factors of numbers and HCFs** (CM clips 216 & 219) | factor, highest common factor, HCF |
| **4** | **Recognising prime numbers** **less than 100** (CM clip 225) | prime, composite, factor |
| **5** | Calculating positive and negative squares and roots (CM clips 226 – 228) | square, power, index, root |
| **6** | **Calculating cubes** and cube roots (CM clips 212 – 214) | cube, power, index, root |
| **7** | Using a calculator efficiently, including squares, cubes, roots, brackets and negatives (CM clip 352) | power, index, square, cube, root, bracket, negative |