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**Mathematics Faculty**

**Year 7 Summer Term 1 - Pi 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 numbers to the nearest 10, 100, 1000 and integer |  |  |  |
| I can estimate calculations |  |  |  |
| I can find common multiples and factors |  |  |  |
| I can recognise 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 numbers to the nearest 10, 100, 1000 and integer.** Understanding place value with decimals (CM clips 276, 277a & 277b) | 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, which alternate between Basic Skills Checks one week and then a more individual ILO the following set through Century and Corbettmaths (see learning focus).Finally every unit is assessed half-termly as part of our Assessment Calendar in Mathematics. | round, integer, decimal, place value, tenth, hundredth |
| **2** | Estimating calculations by rounding and using inverse methods (CM clip 215) | estimate, approximate, round, inverse |
| **3** | Finding common multiples and factors (CM clips 216, 218, 219 & 220) | multiple, factor,  |
| **4** | Recognising prime numbers (CM clip 225) | prime, composite, factor |
| **5** | **Calculating squares**, cubes and roots (CM clips 212 – 214 & 226 - 228) | square, cube, root |
| **6** | Using a calculator efficiently (CM clip 352) | power, index, square, cube, root, bracket, fraction, negative  |