** Mathematics Faculty**

**Year 8 Spring Term 2 – Theta Scheme**

**Unit 8 Overview - Ratio and Proportion**

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| **Topic** | **Key Ideas** | **Progress** | | |
| **R** | **A** | **G** |
| **Ratio and Proportion** | I can simplify two and three-part ratios. |  |  |  |
| I can simplify ratios involving different units. |  |  |  |
| I can write ratios in the form 1:n and n:1. |  |  |  |
| I can solve problems involving ratio and map scales/scale drawings. |  |  |  |
| I can divide a quantity in a given ratio. |  |  |  |
| I can use the unitary method for proportion. |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | Simplifying two and three-part ratios (CM clip 269) | 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. | simplify, ratio, divide, factor, common, integer |
| **2** | **Simplifying ratios involving different units** (CM clip 269) | ratio, convert, equal, simplify, divide, units, common, integer, factor |
| **3** | **Writing ratios in the form 1:n and n:1** (CM clip 271c) | ratio, form, integer, unit, simplify, divide |
| **4** | Solving problems involving ratio and map scales/scale drawings (CM clip 283) | ratio, map, scale, size, unit |
| **5** | Dividing a quantity in a given ratio (CM clip 270) | ratio, divide, quantity, part, add, multiply |
| **6** | Using the unitary method for proportion. Solving recipe problems. (CM clips 225a & 256) | proportion, unit, multiply, divide, compare |