** Mathematics Faculty**

**Year 9 Spring Term 2 – Alpha Scheme**

**Unit 8 Overview - Proportion**

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| **Topic** | **Key Ideas** | **Progress** | | |
| **R** | **A** | **G** |
| **Proportion** | I can solve problems involving direct and inverse proportion. |  |  |  |
| I can construct and interpret equations which describe direct and inverse proportion. |  |  |  |
| I can represent direct and inverse proportion graphically. |  |  |  |
| I can use and convert compound units. |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | Solving problems involving direct and inverse proportion. | 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. | proportion, direct, inverse, unitary |
| **2** | Constructing and interpreting equations which describe direct and inverse proportion (CM clips 254 & 255) | proportion, direct, inverse, equation, reciprocal |
| **3** | **Representing direct and indirect proportion graphically.** | proportion, direct, inverse, graph, linear, reciprocal |
| **4** | **Using compound units such as speed, density, pressure and rates of pay.**  Converting between compound units. (CM clips 299, 384 & 385) | unit, compound, speed, distance, time, density, mass, volume, pressure, force, area, rate, convert |