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**Mathematics Faculty**

**Year 9 Summer Term 2 - Alpha Scheme**

**Unit 12 Overview - Probability**

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| **Topic** | **Key Ideas** | **Progress** | | |
| **R** | **A** | **G** |
| **Probability** | I can use the AND /OR rules. |  |  |  |
| I can use set notation in Venn diagrams. |  |  |  |
| I can complete Venn diagrams and calculate probabilities. |  |  |  |
| I can construct probability trees and calculate probabilities from the trees. |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | **Using the AND /OR rules** (CM clip 244) | 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. | probability, either, or, and, both |
| **2** | Using set notation in Venn diagrams (CM clip 379) | set notation, Venn diagram, element, union, intersection, complement |
| **3** | Completing Venn diagrams and calculating probabilities (CM clip 380) | Venn diagram, union, intersection, element, probability |
| **4** | **Constructing probability trees for independent events** (CM clip 252) | probability, tree, independent |
| **5** | Calculating probabilities from probability trees (CM clip 252) | probability, tree, replacement, and, or, independent |