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**Mathematics Faculty**

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

**Unit 12 Overview - Probability**

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| **Probability** | **Key Ideas** | **Progress** | | |
| **R** | **A** | **G** |
| I can use set notation in Venn diagrams |  |  |  |
| I can complete Venn diagrams and calculate probabilities |  |  |  |
| I can understand the P(B|A) notation in Venn diagrams |  |  |  |
| I can use the AND /OR rules |  |  |  |
| I can construct probability trees for independent and conditional events |  |  |  |
| I can calculate probabilities from probability trees |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | **Using set notation in Venn diagrams** (CM clip 379) | 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. | set notation, Venn diagram, element, union, intersection, complement |
| **2** | Completing Venn diagrams and calculating probabilities (CM clip 380) | Venn diagram, union, intersection, element, probability |
| **3** | Understanding the P(B|A) notation in Venn diagrams | notation, Venn diagram, probability, given |
| **4** | Using the AND /OR rules (CM clip 244) | probability, either, or, and, both |
| **5** | Constructing probability trees for independent and conditional events (CM clip 252) | Probability, tree, independent, conditional |
| **6** | **Calculating probabilities from probability trees** (CM clip 252) | probability, tree, replacement, and, or |