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**Mathematics Faculty**

**Year 10 Higher – Summer Term 2**

**Unit 12 Overview – Probability**

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| **Topic** | **Key Ideas** | **Progress** | | |
| **R** | **A** | **G** |
| **Probability** | I can use the AND/OR rules to calculate probabilities. |  |  |  |
| I can complete and interpret Venn diagrams. |  |  |  |
| I can construct tree diagrams. |  |  |  |
| I can calculate the probability of independent and conditional events occurring. |  |  |  |

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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, Corbettmaths, Dr Frost Maths and Justmaths.  Finally, units are assessed through skills checks and half termly assessments, as part of our Assessment Calendar in Mathematics. | probability, outcome, event, AND, OR, multiply, add |
| **2** | **Using set notation in Venn diagrams** (CM clip 379) | Venn diagram, notation, element, union, intersection, complement |
| **3** | **Completing Venn diagrams and calculating probabilities** (CM clip 380) | Venn diagram, notation, element, union, intersection, complement, probability |
| **4** | **Constructing tree diagrams for independent events and calculating probabilities** (CM clips 249 & 252) | probability, event, independent, tree diagram, AND, OR, multiply, add |
| **5** | Calculating conditional probabilities through tree diagrams and Venn diagrams (CM clip 247) | probability, event, conditional, tree diagram, AND, OR, multiply, add, Venn diagram, union, intersection, complement |