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**Mathematics Faculty**

**Year 8 Summer Term 2 - Sigma Scheme**

**Unit 12 Overview - Probability**

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| **Topic** | **Key Ideas** | **Progress** |
| **R** | **A** | **G** |
| **Probability** | I understand the language of probability. |  |  |  |
| I can calculate relative frequency. |  |  |  |
| I can calculate expected outcomes. |  |  |  |
| I can use sample space diagrams. |  |  |  |
| I can use the AND /OR rules. |  |  |  |
| I can use frequency trees. |  |  |  |
| I can complete Venn diagrams and calculate probabilities. |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | Understanding the language of probability including the terms mutually exclusive and exhaustive | 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. | chance, likelihood, impossible, unlikely, even chance, likely, certain, mutually exclusive, exhaustive |
| **2** | **Calculating relative frequency** (CM clip 248) | relative frequency, experimental, event, outcome, observation |
| **3** | **Calculating expected outcomes.** | probability, outcome, expectation |
| **4** | Using sample space diagrams (CM clip 246) | sample space, outcome, event, probability |
| **5** | Using the AND /OR rules (CM clip 244) | probability, either, or, and, both |
| **6** | Constructing and using frequency trees (CM clip 376) | probability, frequency |
| **7** | Completing Venn diagrams and calculating probabilities (CM clip 380) | Venn diagram, element, probability, outcome |