



# Longfield Learning Journey



|  |   |                  |          |          |
|--|---|------------------|----------|----------|
| <b>Key Stage 4 Foundation</b>  | <b>Unit of work: The Probability of Combined Events – Unit 18</b> | <b>Term: 1.1</b> |          |          |
| <b>Key Words:</b>  | <b>Prerequisites</b>  | <b>R</b>         | <b>A</b> | <b>G</b> |
| Probability, likely, equally likely, fair, unfair, certain, definite, impossible, relative frequency, independent, mutually exclusive, combined, Venn diagram, set | Cancel fractions to their simplest form                           |                  |          |          |
|  | Add and subtract fractions and decimals                           |                  |          |          |
|  | Recognise types of numbers  |                  |          |          |

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|----|---|----------|----------|----------|
|    | <b>Content: The Probability of Combined Events – Unit 20</b>  | <b>R</b> | <b>A</b> | <b>G</b> |
|    | <b>CORE</b> <b>EXTENSION</b>  |          |          |          |
| P6 | Enumerate sets and combinations of sets systematically, using, using tables, grids, Venn diagrams   |          |          |          |
| P7 | Construct theoretical possibility spaces for single and combined experiments with equally likely outcomes.  |          |          |          |
| P7 | Use possibility spaces to calculate theoretical probabilities.  |          |          |          |
| P8 | Calculate the probability of independent and dependent combined events, including using tree diagrams and other representations, and know the underlying assumptions. |          |          |          |

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|----------------------------------|--|--|
| <b>K</b><br><i>What you know</i> | <b>W</b><br><i>What you want to know</i> | <b>L</b><br><i>What have you learned</i> |
|                                  |  |  |