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| Programme of Study  Subject: Maths  Year 11E Accelerated Set: | | |
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|  | **Autumn 1** | |
| **Combined Events:**  **Addition Rules for outcomes of events, Combined events, Tree diagrams, Independent events, Conditional probability**  **Properties of Circles:**  **Circle theorems, Cyclic quadrilaterals, Tangents and chords.**  **Alternate Segment Theorem.** | |  |
|  | **Autumn 2** | |
| Variation:Direct proportion, Inverse proportionAlgebraic Fractions: **Algebraic fractions, Changing the subject of a formula** | |  |
|  | **Spring 1** | |
| **Functions:**  **Functions, Composite functions, Iteration** | |  |
|  | **Spring 2** | |
| **Vector geometry:**  **Properties of vectors, Vectors in geometry.** | |  |
|  | **Summer 1** | |
| **Triangles:**  **Sine and Cosine Rule, Area of a triangle using Sine**  **2D problems involving circle theorems, 3D problems, Trigonometric graphs**  **Graphs:**  **Distance-time graphs, Velocity-time graphs.** | |  |
|  | **Summer 2** | |
| **Graphs:**  **Rates of change, Equation of a circle**  **Other graphs, Transformations of the graph**  **Revision** | |  |