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| Programme of StudySubject: MathsYear 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** |  |