

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
10	Number <ul style="list-style-type: none"> Simplifying surds Indices; fractional, negative, combined Upper and lower bound calculations Algebra <ul style="list-style-type: none"> Factorising quadratics Expanding three brackets Algebraic fractions; simplifying, four operations Rearranging complex formulae 	Algebra <ul style="list-style-type: none"> Trigonometric graphs Quadratic equations; solving from graphs, by factorising, using formula Roots of quadratic graphs Sequences; quadratic, geometric SSM <ul style="list-style-type: none"> Trigonometry in right angle triangles Exact trigonometric values Pythagoras and trigonometry in 3D shapes Transformations; enlargement and combination 	SSM/Algebra <ul style="list-style-type: none"> Inverse proportion graphs Complex compound measures Proportion equations Shape, Space and Measure <ul style="list-style-type: none"> Surface area and volume of cones and spheres Frustums Similar area and volume Algebra <ul style="list-style-type: none"> Simultaneous equations Iteration 	SSM: <ul style="list-style-type: none"> Circle theorems Number <ul style="list-style-type: none"> Recurring decimals to fractions Reverse compound interest/depreciation Growth and decay Probability <ul style="list-style-type: none"> Venn diagrams Set notations Independent and dependent events Conditional probability 	Algebra <ul style="list-style-type: none"> Equation of line through two points Equations of parallel and perpendicular lines Equation of a tangent to a circle Statistics <ul style="list-style-type: none"> Capture/Recapture Sampling Cumulative frequency and box plots 	Algebra <ul style="list-style-type: none"> Graphing inequalities Solution sets SSM <ul style="list-style-type: none"> Graphs of exponential functions Area under a curve Gradients of non-linear graphs
11	Algebra <ul style="list-style-type: none"> Trigonometric graphs Non-right angled trigonometry Solve trigonometric equations Graph transformations Functions Number <ul style="list-style-type: none"> Surds; rationalising 	Algebra <ul style="list-style-type: none"> Completing the square Quadratic equations; completing the square Quadratic inequalities Iteration Direct and inverse proportion equations 	Statistics <ul style="list-style-type: none"> Histograms Shape, Space and Measure <ul style="list-style-type: none"> Vectors and geometric proofs Revision and Exam Preparation	Revision and Exam Preparation	Revision and Exam Preparation	Revision and Exam Preparation