

Exam board: Pearson Edexcel		
	Year 12	Year 13
Autumn term	<ul style="list-style-type: none"> Complex Numbers Matrices Linear Transformations Vectors Further Vectors Conic Sections Inequalities Numerical Methods 	<ul style="list-style-type: none"> Complex Numbers Series Polar Coordinates Hyperbolic Functions Further Conic Sections Taylor Series Methods of Calculus Reducible Differential Equations
Spring term	<ul style="list-style-type: none"> Argand Diagrams Series Roots of Polynomials Proof by Induction Volumes of Revolution The travelling Salesman Problem The Simplex Algorithm 	<ul style="list-style-type: none"> Methods in Calculus Volumes of Revolution Methods and Modelling in Differential Equations. Algorithms Graphs and Networks Algorithms on Graphs Linear Programming Critical Path Analysis
Summer term	<ul style="list-style-type: none"> Revision (preparation for AS exams) External exams Partial Fractions and Radians. Further Trigonometric Identities. 	<ul style="list-style-type: none"> Revision (preparation for A-level exams)
Assessment	<ul style="list-style-type: none"> In May/June, students will sit 2 x 1 hour 40 minute exams, in Core Pure Mathematics, and their 2 options (Further Pure Mathematics and Decision Mathematics), covering all of the Y12 content. Students are assessed throughout the year internally (please see the school assessment calendar for more information). 	<ul style="list-style-type: none"> Students sit 4 x 1 hour 30 minute exams covering all of the year 12/13 content in May/June. These are externally assessed and results are received in August. Students are assessed throughout the year internally (please see the school assessment calendar for more information).



CURRICULUM OVERVIEW: KS5 Further Mathematics

