

| YEAR | TERM 1 (Autumn) | | TERM 2 (Spring) | | TERM 3 (Summer) | |
|----------------|--|--|---|--|---|---|
| YEAR 12 | Algebraic Fractions Quadratics Equations and inequalities Binomial Data collect Location and spread Representation of data Graphs & transformations Straight line graphs Circles Correlation Probability Differentiation | Integration Algebraic Methods Models Statistical distribution Hypothesis tests Trig ratio Models Constant Acceleration Forces Trig ratio Trig identities Vectors | Forces Variable acceleration Exponents & logarithms End of year tests Algebraic methods Functions & graphs Regression/correlation & hypothesis test Conditional probability | Sequences Binomial expansion Radians Regression/correlation/hypothesis tests Conditional probability Normal distribution Trig functions Trig models Normal distribution Moments | Parametric equations Differentiation Numerical methods Forces and friction Projectiles Numerical methods Integration Application of forces Further kinematics | Cp1: Complex Numbers Argand Diagrams Series Roots of polynomials Volumes of revolution Matrices Linear transformations Proof by induction Vectors |
| YEAR 13 | CP2: Complex Numbers Series Methods in Calculus Volumes of Revolution Polar co-ordinates Hyperbolic Functions Methods in Differential Equations Modelling with differential Equations | | Then pupils have the choice of 2 modules from Further Statistics 1 Decision Mathematics 1 Further Mechanics 1 Further Pure 1 Further Statistics 2 Decision Mathematics 2 Further Mechanics 2 Further Pure 2 | | Revision External exams | |