

Further Mathematics Curriculum Information

Year 13

In the Autumn term pupils study the theory of the roots of polynomials, complex numbers, De Moivre's theorem and finite series. In the Spring term, trigonometric identities are revised and extended to double and compound angles. Hyperbolic functions are studied in depth, and Cartesian and parametric forms of arc length are investigated. In the Summer term, areas of surfaces are explored and all work is consolidated for the examination. Alongside the pure mathematics, pupils study mechanics where they learn about vectors, displacement velocity and acceleration, motion under constant acceleration, kinematics in two and three dimensions, forces, Newton's laws of motion, projectiles and momentum.

The exam boards and specification code is: -

AQA AS Further Mathematics (5371)

