



Hampton Court House

Curriculum Outline 2020/21 – Year 12 Further Maths (FWS, SJ, SJD)

Autumn 2020

In addition to completing the Standard Maths content through the year, the students will study the following topics from the Further Maths syllabus:

Sums of series; the language of complex numbers and complex roots of equations; roots of polynomials; the language of matrices.

Social, moral, spiritual and cultural content
Students will learn about the cultural significance of key mathematical discoveries.

Spring 2021

We will continue where the first term left off introducing further topics such as the argand diagram and de Moivre's theorem, the application of 2-d matrices. Work will also begin on the introduction of Further Mechanics and Statistics

In this term we will also use past exam papers as a tool to revise and embed topics to ensure we can confidently and independently answer exam standard questions.

Summer 2021

In the summer term, further work on Forces, Kinematics, friction and momentum; proof by induction, vectors and scalar products; discrete random variables and counting principles, further correlation and regression.

We will bring together the methods studied over the year and prepare to take the single maths A level examination as a mock exam at the end of the term.