

LEVEL 3 / AQA / 1 YEAR

MATHEMATICAL STUDIES

Mathematical Studies has been designed to maintain and develop real-life mathematics skills. Topics studied are therefore not purely theoretical or abstract but can be applied on a day-to-day basis in work, study or life.

The course has large proportions of Statistics and Financial Mathematics.

Students will develop confidence and competence in the understanding and application of calculations in the solution of problems relating to personal finance such as income tax, NI contribution and loans and savings. The study of Fermi estimation allows students to make fast, rough estimates of quantities which are either difficult or impossible to measure directly. There is an emphasis on using technology to calculate statistical quantities and the course concentrates on interpreting the results of statistical analysis in context.

TEACHING & LEARNING METHODS

Students will be taught by specialist teachers and experience a wide variety of lesson activities such as investigation, group tasks and individual study. Students are expected to complete frequent homework tasks.

ASSESSMENT INFORMATION

Assessment is by two external exams sat at the end of the course in Year 12.

SUBJECT COMBINATIONS

Mathematical Studies can help support other A-level subjects which have some mathematical content. In particular it goes well with sciences, Geography, Business Studies, Psychology and Economics.

CAREERS/HE INFORMATION

The skills developed in the study of Mathematics are increasingly important in the workplace and in higher education; studying Mathematical Studies will help you keep up these essential skills. On average, students who study Mathematics after GCSE improve their career choices and increase their earning prospects.