Mathematics

Introduction

Why choose Maths?
Advanced Mathematics is a highly regarded subject. One good reason to continue your studies in this subject is that you have enjoyed it so far. You are then more likely to do well in A2 or AS Maths and will have a qualification for entry to any university course or into any career. Mathematics at this level will provide challenge and provide the foundations for becoming proficient in what is regarded as '*the universal language*'. During the course you will gain an appreciation of how Mathematics can be used in a variety of different situations and in different subject areas. The course is designed to inspire, challenge and empower the individual. In studying Mathematics, you will join a select group within society whose members are in high demand, learning a range of transferable skills that make Mathematics the ideal companion to any other choice of subjects.

It is worth noting that having A level Mathematics is a necessary requirement for entry onto a wide variety of University courses (including most engineering courses, many science courses and some business/economics courses).

Content

The new A Level Mathematics course studied is the Edexcel syllabus. This consists of 3, 2 hour exams at the end of year 13. The exams contain content from both pure and applied components of the course.

Pure Components of the course:
During A Level Mathematics you would study all of the following topics:
Proof, algebra and functions, coordinate geometry in the (x,y) plane, sequences and series, trigonometry, differentiation, integration, vectors and numerical methods.

Applied components of the course:
During A Level Mathematics you would study all of the following topics:
Statistics - Statistical sampling, data presentation and interpretation, probability, statistical distributions, statistical hypothesis testing.
Mechanics – Quantities and units in mechanics, kinematics, forces and Newton's laws, moments.

Course Requirement

Level 7 or above in Mathematics at GCSE. Anyone with a lower level at GCSE needs to speak to a Maths teacher and Course Leader.

Course Leader

Miss R Holmes

Friesland 6TH FORM

ACHIEVING SUCCESS
Nursery Avenue, Sandiacre, Nottingham, NG10 5AF.
Tel: 0115 939 7326 www.frieslandschool.com