

Maths at Phoenix



Course Title: **A Level Mathematics**



Why should I study A level Mathematics at Phoenix?

Mathematics supports the study of a wide range of other AS/A level subjects. Physics, Chemistry and Biology rely on good algebraic and graphical skills, statistical techniques and the use of a range of functions including logarithms and trigonometry.

In addition, Economics, Psychology, Business, Computing and Geography all benefit from students having fluent and confident numerical, algebraic, graphical and statistical skills.

Pure maths

is the methods and techniques which underpin the study of all other areas of maths. This includes **proof, algebra, trigonometry, calculus, and vectors.**

Mechanics

is the maths used to study the physical world, modelling the **motion** of objects and the **forces** acting on them. This includes **moments**, where the turning effect of a force is considered.

Statistics

involves **statistical sampling, data presentation and probability**, all of which follow on from topics met at GCSE, leading to the study of statistical distributions with special properties,

Mathematics is a qualification that is highly valued by employers and universities and is one of the most popular subjects for both boys and girls. The vast range of degree courses and careers that require solid mathematical skills ensures that taking maths to A level or beyond will open doors to a world of opportunities!

DEPARTMENT:
MATHEMATICS

LEVEL: **A LEVEL**
AWARDING BODY:
EDEXCEL

DURATION: **2 YEARS**

ENTRY REQUIREMENTS:
PREFERABLY GRADE 7+ AT GCSE MATHS BUT WILL LOOK AT GRADE 6 ON AN INDIVIDUAL BASIS

ASSESSMENT AND UNITS:
**PURE MATHEMATICS
MECHANICS
STATISTICS**