



Mathematics



Level 3 GCE A Level Mathematics

MATHEMATICS A LEVEL

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Why should I study Mathematics?

Mathematics is about pattern and structure; it is about logical analysis, deduction, calculation within these patterns and structures. When patterns are found, often in widely different areas of science and technology, the mathematics of these patterns can be used to explain and control natural happenings and situations.

Mathematics has a pervasive influence on our everyday lives, and contributes to the wealth of the country. But the main reason for studying mathematics to an advanced level is that it is interesting and enjoyable. People like its challenge, its clarity, and the fact that you know when you are right. The solution of a problem has an excitement and a satisfaction.

You should also be aware of the wide importance of Mathematics, and the way in which it is advancing at a spectacular rate. People with an A Level in Mathematics are highly sought after in almost all career paths, and analysis of various salaries, show that those with an A Level in Mathematics earn approximately **11%** more than those with other equivalent qualifications.

What skills can I gain from studying Mathematics?

There are a wide variety of skills that can be acquired, including the abilities:

- to use logical thought
- to formulate a problem in a way which allows for computation and decision
- to make deductions from assumption
- to use advanced concepts

What career paths would Mathematics be suitable for?

An A Level in Mathematics opens the door to almost every career. Obviously there are the number-based (including financial) careers such as Accountancy, Economics, Financial Management, Statistics, IT, Computer Gaming, etc.

The skills and techniques this course will develop show you have the organisational and analytical abilities suitable for Politics, Science, Music, Education, the Forces, etc...

Subject Combinations

Mathematics would go well with:
Business/Chemistry/Design Technology/ICT/ Physics



Website

<http://qualifications.pearson.com/en/qualifications/edexcel-a-levels/mathematics-2017.html>