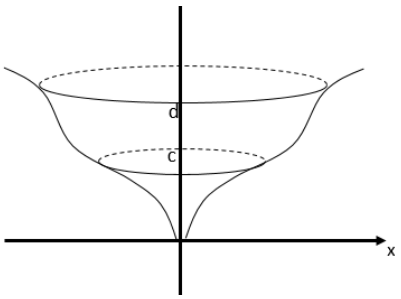
Pershore Sixth Form

A Level

Further Mathematics



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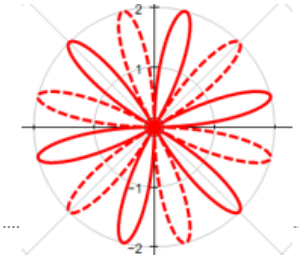

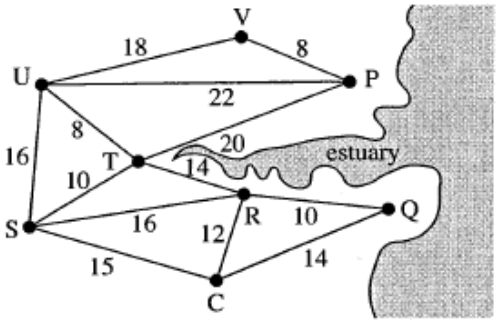

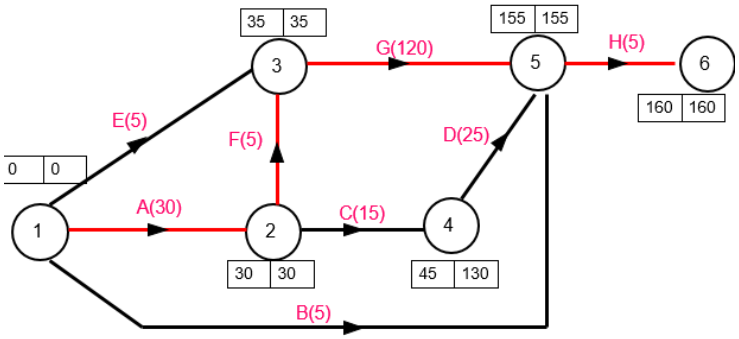

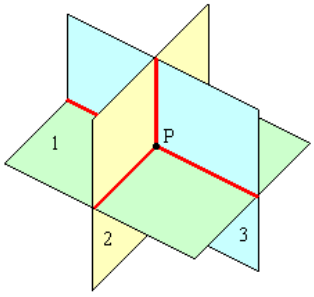

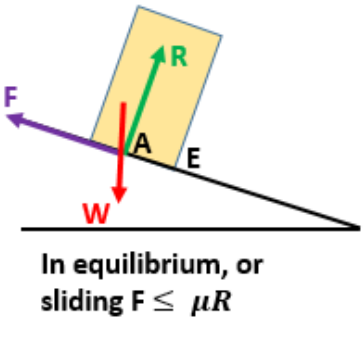

Introducing A Level Further Mathematics

Why should you study A Level Further Maths?

- Exciting skills and concepts are introduced beyond those in the Maths course
- Learn to solve complex real-life problems
- Broad selection of content to suit different interests
- Supports the work in Maths and Physics and likely to boost these grades
- A requirement of some university courses
- It could make your UCAS application stand out
- It will help you refine and develop highly sought after skills
    - logical, analytical and strategic thinking skills
    - communicating with clarity
    - problem-solving
    - linking ideas
    - finding patterns
    - analysing data
    - modelling real-life problems

Teaching & Learning

Why should you study Further Maths at Pershore?

- 9 hours of specialist teaching plus an allocated assessment hour (Period 10) per fortnight
- Outstanding A Level results and progress
- Value added score of +1.27 (students achieved over a grade above expected)
- Highly experienced A Level specialist teacher with a degree in Mathematics
- Small class size
- High quality support and excellent teacher insight into strengths and weaknesses
- Structured approach to homework to consolidate learning and check understanding
- Structured approach to assessment tasks to ensure regular revision and practice
- Regular, detailed written and verbal feedback
- Teacher readily available for ongoing face-to-face support
- Access to the Integral website – extensive revision resources and support material
- Access to free Advanced Maths Support Programme courses
- Opportunity to enter the national UKMT Senior Maths Challenge and compete against thousands of other students

integral®

Advanced Mathematics Support Programme®

A Level Assessment

You will be studying OCR (B) MEI A Level Further Mathematics

There are 4 units of work to be taught over 2 years: Core Pure, Modelling with Algorithms, Statistics and Mechanics. Students will sit all four exams at the end of Year 13:

Core Pure: 2 hr 40 exam (50%)

Mechanics Minor: 1 hr 15 exam (16.7%)

Statistics Minor: 1 hr 15 exam (16.7%)

Modelling with Algorithms:1 hr 15 exam (16.7%)

Students will need an advanced calculator (the same one used in Maths), and this will be used extensively throughout the course. A formula booklet will be available in all examinations.

During the course, we will assess your progress through the use of:

- one written homework assignment per week with personalised feedback
- one assessment per fortnight in exam conditions on a specific unit of work
- one assessment per half term in exam conditions on a set of units, including formal mock exams

Since Further Maths is usually taken as a fourth option, it is possible to sit the AS examinations at the end of Year 12. This consists of three 75 minute examinations, covering Core Pure, Statistics and Modelling with Algorithms.

Subject combinations

A Level Further Mathematics can be studied with a wide range of other subjects (which must include A Level Mathematics) and it will be of great benefit in subjects such as:

- *Physics*
- *Biology*
- *Chemistry*
- *Computing*
- *Geography*
- *Psychology*
- *Economics*
- *Business Studies*

Progression Routes

Further Mathematics provides excellent choices for an interesting and rewarding career, such as Science, Engineering, Manufacturing, Business and Finance amongst many others.

It is a subject requirement for some university courses, and studying Further Mathematics will ensure you are well equipped to make the transition to higher education.

Entry and skill requirements

What are the entry requirements for A Level Further Mathematics?

Grade 8 or 9 at GCSE is preferred

Grade 7 would be accepted if students want to try the course, with the option of an AS Level in Year 12.

Resources: The course requires textbooks for each unit, published by Hodder Education. The advanced calculator they need is the same one used in Maths.

What do our students think?

We asked our students to tell us what they thought about studying A Level Mathematics and Further Mathematics. Here are some of the comments they made:

"Learning Maths really helps with Physics, Biology and Chemistry"

"You get lots of attention from the teachers"

"You get lots of active feedback"

"The teachers know your strengths and weaknesses"

"You learn transferable skills"

"Maths is the foundation of everything"

"Interesting"

"Difficult, but fun!"

"Maths in the morning always cheers me up!"

"Further Maths makes understanding algorithms in Computer Science easier"

"#lovemaths"

Contact us

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