FURTHER MATHEMATICS
KS5 (Edexcel A Level Further Mathematics)

YR12

Curriculum Purpose

Students study Pearson Edexcel Level 3 Advanced GCE in Further Mathematics (9FM0) and they have nine periods of Further Mathematics a fortnight. The qualification requires students to demonstrate skills and knowledge outlined in the following overarching themes: mathematical argument, language and proof, mathematical problem solving and mathematical modelling and expands the depth and breadth of mathematics with aspects of student choice in their areas of learning depending on their future aspirations.
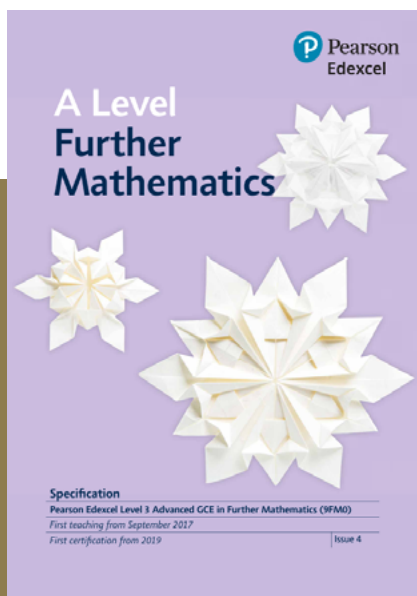
Curriculum Topics

CORE PURE Y1 - COMPULSORY
- **Complex Numbers**
- **Argand Diagrams**
- **Series**
- **Roots of Polynomials Volumes of Revolution**
- **Matrices**
- **Linear TRansformations**
- **Proof by Induction**
- **Vectors**

STUDENT OPTIONS INCLUDE
- **Further Pure Mathematics**
- **Further Statistics**
- **Further Mechanics**
- **Decision Mathematics**

A Level Further Mathematics

Specification
Pearson Edexcel Level 3 Advanced GCE in Further Mathematics (9FM0)
First teaching from September 2017
First certification from 2019   Issue 4

Specification link

https://qualifications.pearson.com/content/dam/pdf/A%20Level/Mathematics/2017/specification-and-sample-assesment/a-level-l3-further-mathematics-specification.pdf

When and how assessment of learning will happen

End of unit assessments

The final exams/ assessment:

Mock examinations

Home Learning Expectations

At least five hours a week of independent learning

Useful Information

- Bespoke Google classroom
- https://www.physicsandmathstutor.com/

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