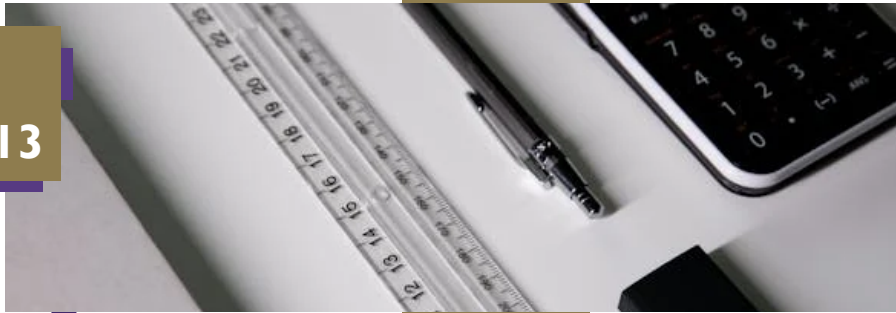


MATHEMATICS

KS5 (Edexcel A Level Mathematics)

YRI3



Curriculum Purpose

Students study Pearson Edexcel Level 3 Advanced GCE in Mathematics (9FM0) and they have nine periods of 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.

Curriculum Topics

PURE MATHS

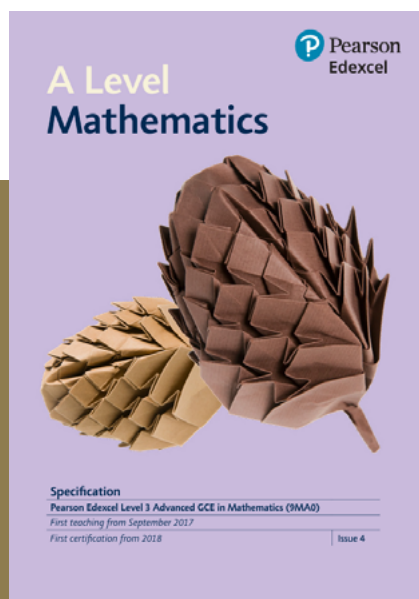
- Algebraic Methods
- Functions and Graphs
- Sequences and Series
- The Binomial Expansion
- Radians
- Trigonometric Functions
- Trigonometry and Modelling
- Parametric Equations
- Differentiation
- Numerical Methods
- Integration
- Vectors

STATISTICS

- Regression, Correlation and Hypothesis Testing
- Conditional Probability
- The Normal Distribution

MECHANICS

- Moments
- Forces and Friction
- Projectiles
- Applications of Forces
- Further Kinematics





Specification link

<https://qualifications.pearson.com/content/dam/pdf/A%20Level/Mathematics/2017/specification-and-sample-assesment/a-level-l3-mathematics-specification-issue4.pdf>

When and how assessment of learning will happen

Practice examinations.

The final exams/ assessment:

Mock examinations
External examinations

Independent Learning Expectations

At least five hours a week of independent learning

Useful Information

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

