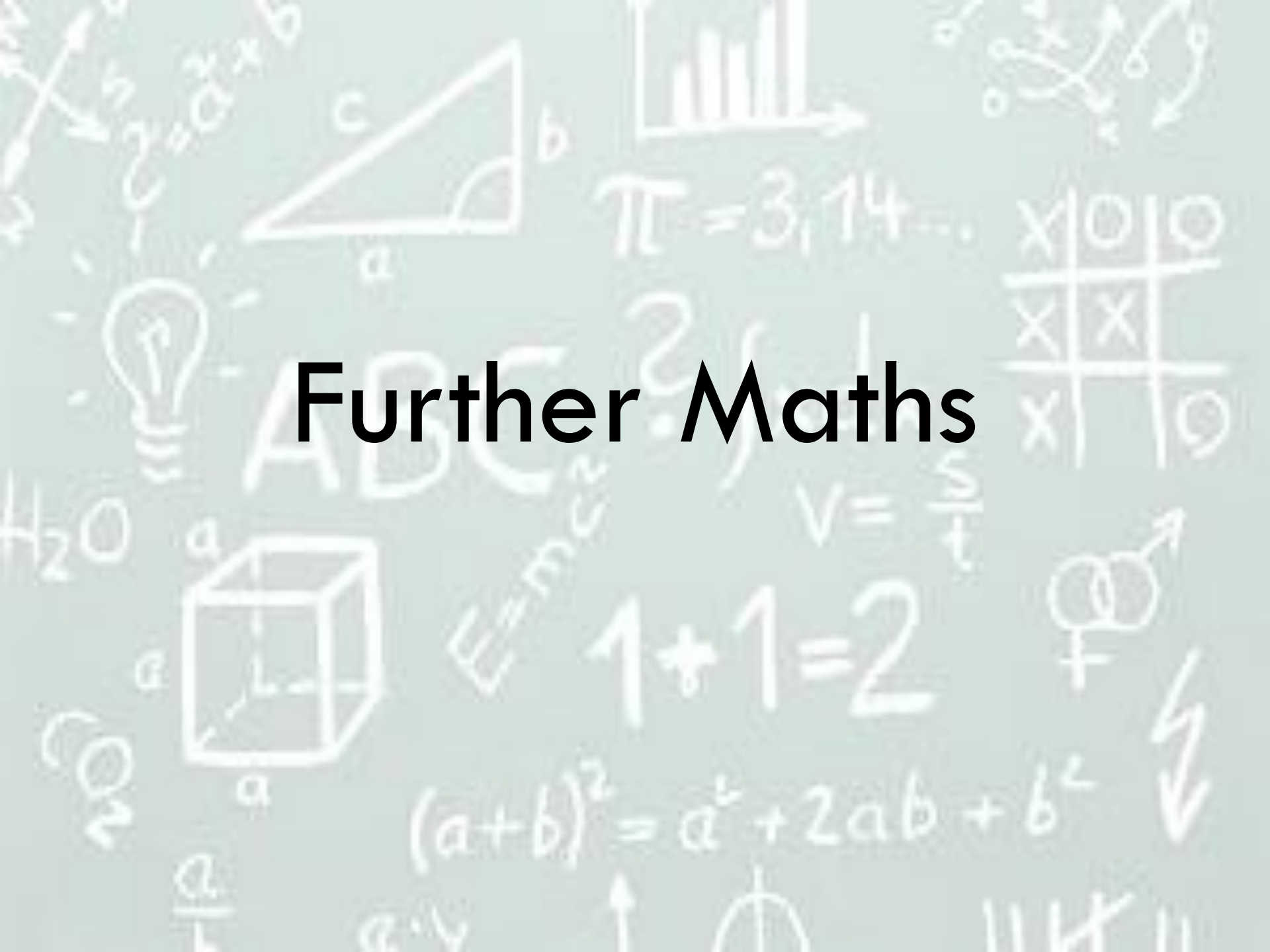


Further Maths



Why study Further Maths?

- Extend and deepen your knowledge
- Explore challenging mathematical concepts
- Develop your higher level problem solving skills
- Make the transition from GCSE to A Level easier

Who is it for?

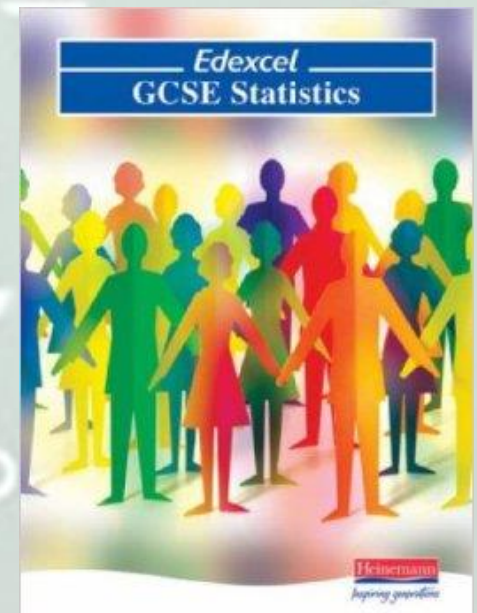
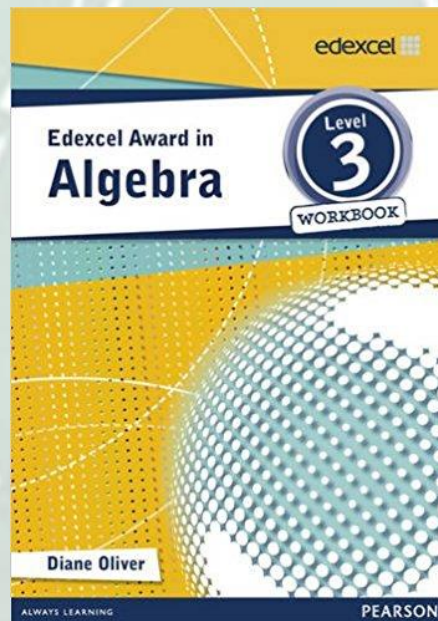
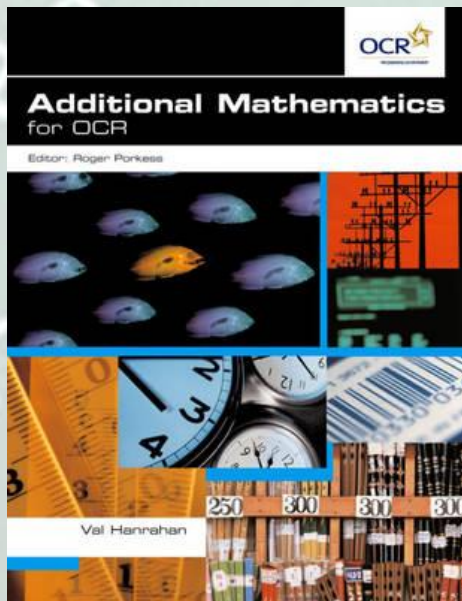
- Those wishing to take the subject further and possibly study A Level.
- Those with a love of learning maths and a natural mathematical ability

Pure
mathematics
is, in its way,
the poetry
of logical
ideas.

Albert Einstein

What qualifications will I gain?

- GCSE Statistics (Level 2)
- OCR Free Standing Maths Qualification (Level 3)
- Algebra (Level 3)



GCSE Statistics

The Edexcel (9-1) GCSE Statistics course consists of two externally assessed examinations.

Paper 1 and Paper 2 are equal in time, weighting and assessment objectives

Written examination. 🕒 1hr 30mins ⚖️ 50% of the qualification (80 marks)

Both papers focus on the same content and assessment objectives

Range of content

1. The collection of data.
2. Processing, representing and analysing data.
3. Probability.

Assessment overview

The papers contain short, medium and extended response questions.

Questions cover statistical methods, familiar and unfamiliar contexts and the component parts of the statistical enquiry cycle.

Calculators may be used in both examinations.

OCR FSMQ (Level 3)

- Introduce students to the power and elegance of advanced mathematics
- To allow students to experience the directions in which the subject is developed post-GCSE.
- To develop confidence in using mathematical skills in other areas of study.
- The assessment is by examination and will be set in summer of each year. There will be one paper of two hours. The examination result will be reported as a grade A, B, C, D, E or U. There is no coursework requirement.

Advanced Algebra (Level 3)

- Algebraic manipulation and solution of equations
- Inequalities and number sequences
- Linear and curved graphs, distance and time graphs, speed and time graphs
- The award is assessed through a 2 hour examination. The total number of marks for the paper is 90. The qualification is awarded as pass or unclassified. Calculators are not allowed