

Welcome to A level
Mathematics Induction
27th June 2024
Haileybury Turnford School



Learning objectives:

- A level Maths Induction

Starter



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Learning objectives

- ❑ To gain an understanding of the requirements of your chosen subject in preparation for as September 2023 start

Key words:

Preparation
Organisation
Punctuality
Commitment
Success



Learning objectives:

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Explanation

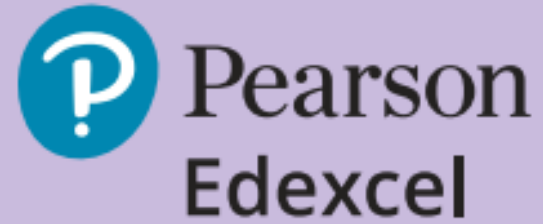
Core Expectations for **Every Lesson**

1. Attend lessons on time and in professional attire
2. Be prepared for each lesson by ensuring you bring the appropriate equipment
3. Ensure all work is organised in the appropriate section of your subject folder
4. All deadlines must be met to avoid a 6 week “Risk of Failure” program
5. Respect the classroom, Replace chairs, Rubbish in bins
6. Speak to **ALL** members of the HT community with respect
7. No mobile phones/ear pods to be used in lessons or around the school
8. Starters are to be completed in silence
9. Be proactive and not reactive
10. Expect to work harder than you ever have before



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A Level Mathematics

Specification

Pearson Edexcel Level 3 Advanced GCE in Mathematics (9MA0)



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Qualification at a glance

Content and assessment overview

The Pearson Edexcel Level 3 Advanced GCE in Mathematics consists of three externally-examined papers.

Students must complete all assessment in May/June in any single year.

Paper 1: Pure Mathematics 1 (*Paper code: 9MA0/01)

Paper 2: Pure Mathematics 2 (*Paper code: 9MA0/02)

Each paper is:

2-hour written examination

33.33% of the qualification

100 marks

Paper 3: Statistics and Mechanics (*Paper code: 9MA0/03)

2-hour written examination

33.33% of the qualification

100 marks



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Assessment information

- First assessment: May/June 2018.
- The assessment is 2 hours.
- The assessment is out of 100 marks.
- Students must answer all questions.
- Calculators can be used in the assessment.
- The booklet '*Mathematical Formulae and Statistical Tables*' will be provided for use in the assessment.



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Assessment Objectives

Students must:		% in GCE A Level
AO1	Use and apply standard techniques Students should be able to: <ul style="list-style-type: none">• select and correctly carry out routine procedures; and• accurately recall facts, terminology and definitions	48–52
AO2	Reason, interpret and communicate mathematically Students should be able to: <ul style="list-style-type: none">• construct rigorous mathematical arguments (including proofs)• make deductions and inferences• assess the validity of mathematical arguments• explain their reasoning; and	23–27
AO3	Solve problems within mathematics and in other contexts Students should be able to: <ul style="list-style-type: none">• translate problems in mathematical and non-mathematical contexts into mathematical processes• interpret solutions to problems in their original context, and, where appropriate, evaluate their accuracy and limitations• translate situations in context into mathematical models• use mathematical models; and• evaluate the outcomes of modelling in context, recognise the limitations of models and, where appropriate, explain how to refine them.	23–27



Breakdown of Assessment Objectives

Paper	Assessment Objectives			Total for all Assessment Objectives
	AO1 %	AO2 %	AO3 %	
Paper 1: Pure Mathematics 1	16.00–17.33	8.66–10	6.33–7.67	33.33%
Paper 2: Pure Mathematics 2	16.00–17.33	8.66–10	6.33–7.67	33.33%
Paper 3: Statistics and Mechanics	16.00–17.33	5.66–7.00	10.33–11.67	33.33%
Total for GCE A Level	48-52	23-27	23-27	100%







NB: Totals have been rounded either up or down.



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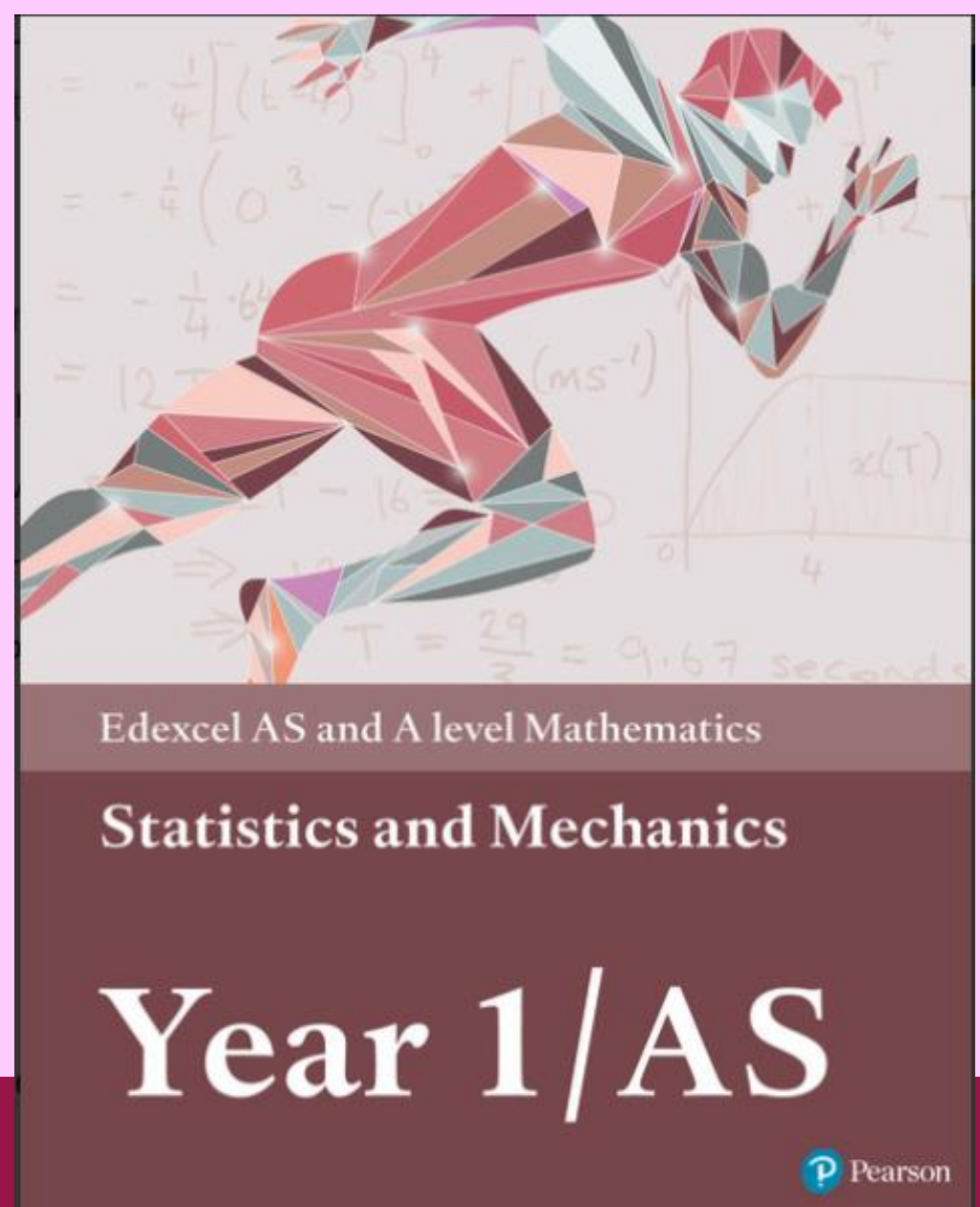
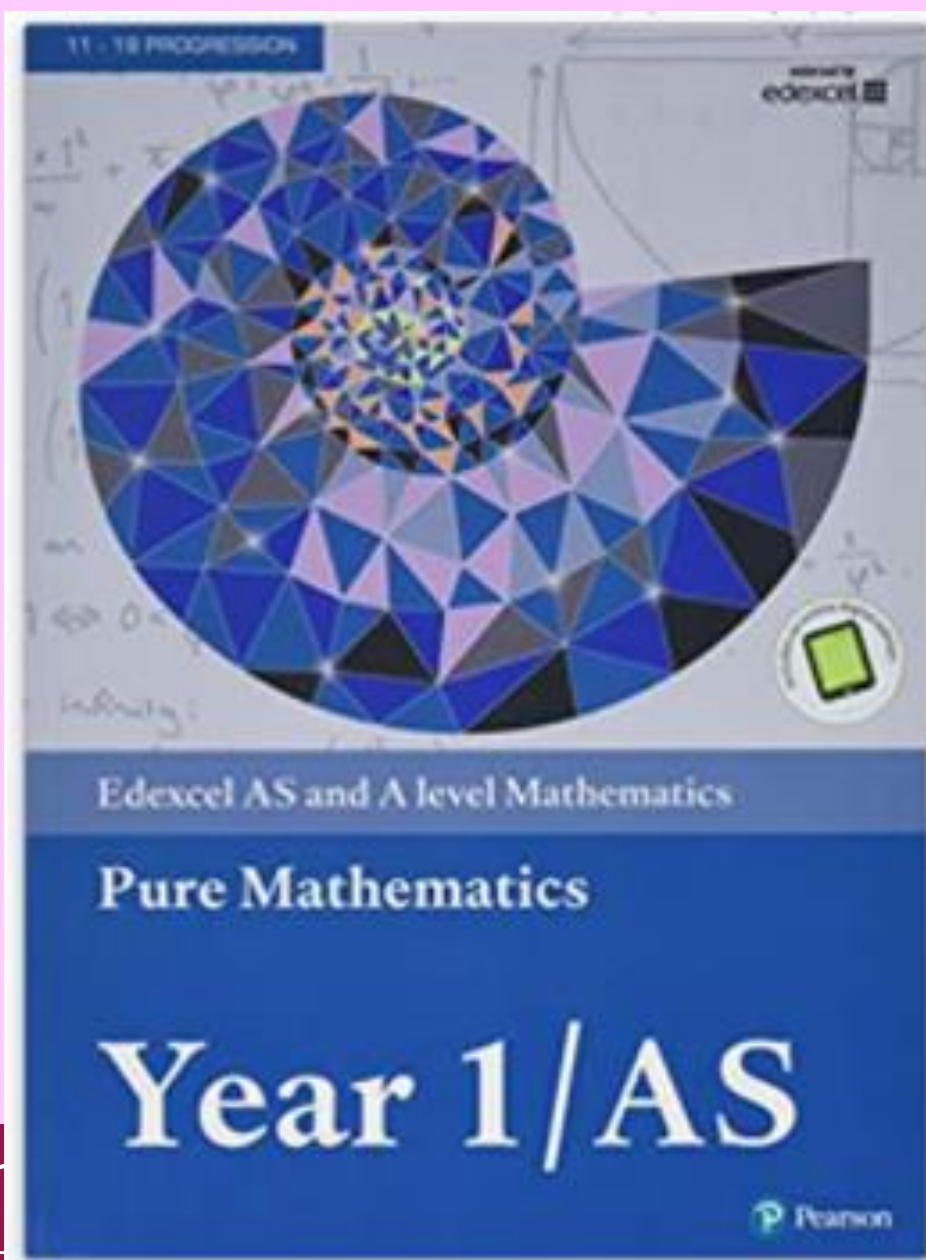
AS and A level Mathematics

Qualification	Component	Overview	Assessment
A level Mathematics	Paper 1: Pure Mathematics 33.3% weighting	Any Pure Mathematics content can be assessed on either paper	 2 hours  100 marks
	Paper 2: Pure Mathematics 33.3% weighting		 2 hours  100 marks
	Paper 3: Statistics and Mechanics 33.3% weighting	Section A: Statistics (50 marks) Section B: Mechanics (50 marks)	 2 hours  100 marks



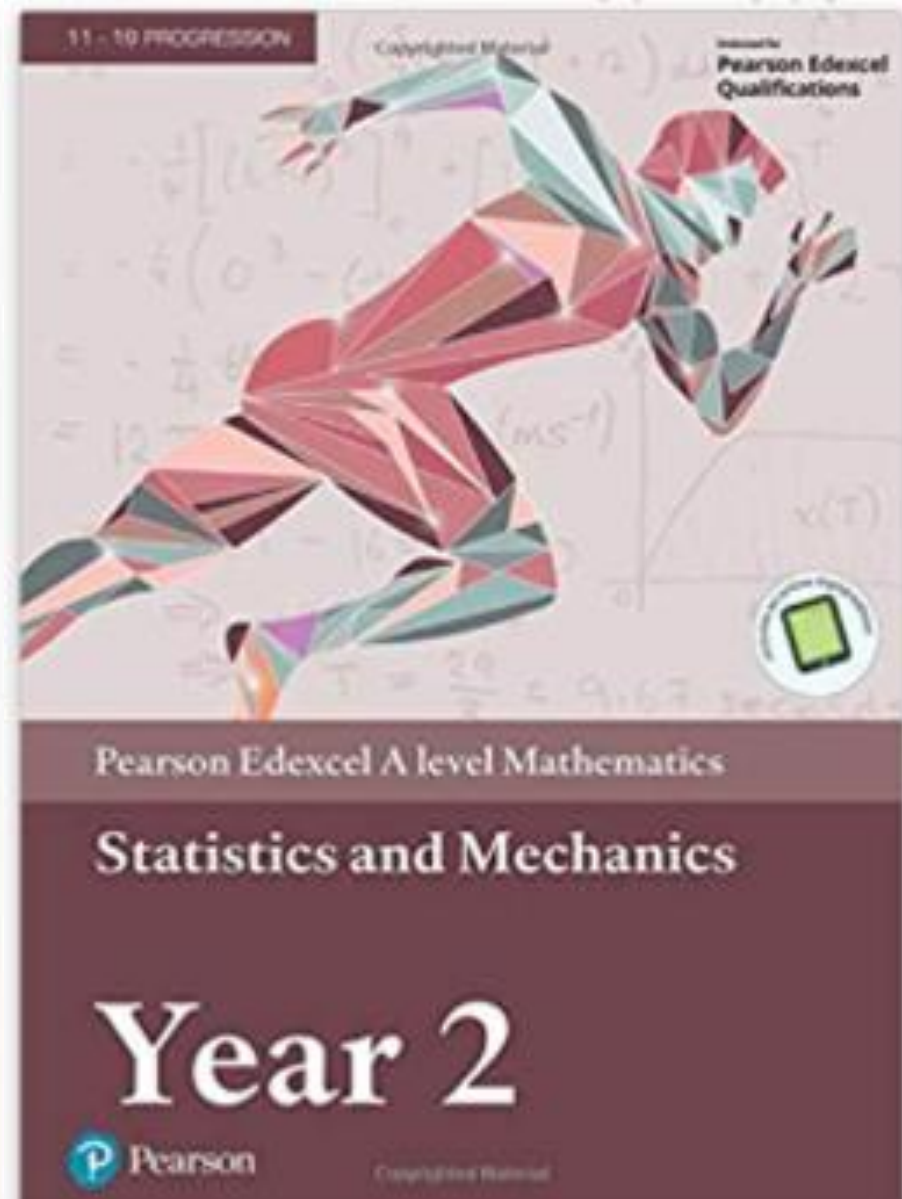
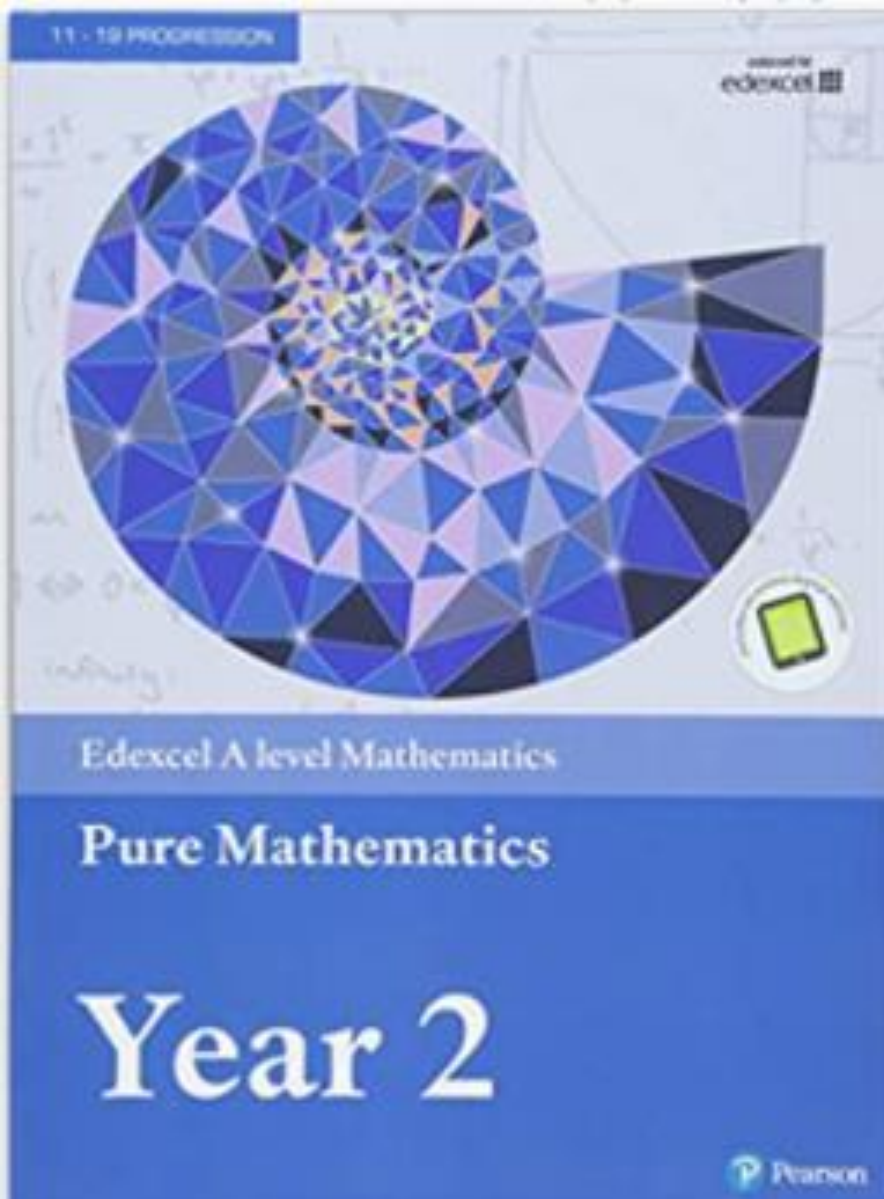
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Learn

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Casio FX-991CW Advanced Scientific Calculator (UK Version)



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