AS and A level Further Mathematics Resources

Pearson Edexcel

Free Support Materials for schools and colleges

We have gathered all our free resources for AS and A level Further Mathematics in one place.

All the resources listed here are available from the AS and A level Further Mathematics Qualifications web page, Maths Emporium and our Teaching & Learning Secondary Maths web page.

In order to access these materials, please ensure you complete the following steps before clicking on any of the support in this document.

Step 1

Login to **Edexcel Online** and the **Maths Emporium** by clicking the links below. If you don't have login details for either of these, **find out more now.**

A level Further Mathematics Qualifications

Maths Emporium

Teaching and Learning Resources

Step 2

Navigate to the type of resource you are looking for.

Step 3

Click on the boxes to download your free AS and A level Further Mathematics Resources.

What type of resources are you looking for?

- Specifications and Sample Assessment Materials
- Content Guidance
- Planning and Teaching Resources Resource
- AS and A level Resources
- Past Papers, Mocks and Related Resources
- Practice Papers
- Professional Development Materials
- Other Related Qualifications

Specifications

AS Further Mathematics Specification

A level Further Mathematics Specification

Mathematical Formulae and Statistical Tables

Assessment Support

Sample Assessment Materials and Model Answers

Sample Assessment Materials

AS Further Mathematics

A level Further Mathematics

Sample Assessment Materials Model Answers - AS Further Mathematics

AS Further Mathematics

Sample Assessment Materials Model Answers - A level Further Mathematics

Core Pure Mathematics

Further Statistics 1 & 2

Further Pure Mathematics 1 & 2

Further Mechanics 1 & 2

Decision Mathematics 1 & 2

Content Exemplification

This booklet exemplifies the AS and A level Further Mathematics content with examples of associated questions from the relevant Sample Assessment Materials (SAMs).

AS and A level Further Mathematics Content Exemplification

These booklets detail the content references and provides sample questions for each content topic taken from the Sample Assessment Materials.

AS Further Mathematics Sample Assessment Materials Exemplification

A level Further Mathematics Sample Assessment Materials Exemplification

Enhanced Content Guidance

This guidance provides further clarification of content areas within the A level Further Mathematics specification, with some examples of questions to add further clarity. This document also provides further guidance on the use of calculators.

A level Further Mathematics 9FM0 Enhanced Content Guidance

Qualifications and Assessment Guide

This guide provides an overview of the GCE Mathematics and Further Mathematics specifications. It will help you get to grips with the changes to content and assessment, and to understand what these mean for you and your students, to support your planning, teaching and assessing.

Qualifications and Assessment Guide

Content Mapping to Other Qualifications

Mapping documents between the GCE 2008 and GCE 2017 AS and A level Further Mathematics specifications and to the textbooks, from our publishing team.

Content mappings

Schemes of Work

We have provided schemes of work, for both AS and A level Mathematics, and teaching with Further Mathematics qualifications for different models of delivery.

Parallel delivery with Mathematics and Further Mathematics

AS level - Parallel delivery **A level - Parallel delivery**

Consecutive delivery for Mathematics and Further Mathematics

AS level - Consecutive delivery **A level - Consecutive delivery**

Interactive Schemes of Work

We've created a digital interactive scheme of work, tailored to the way you want to deliver our 2017 qualifications. Like a traditional scheme of work, our interactive scheme of work provides you with a guide for teaching the content, including a suggested teaching order, an idea of when to teach and how long to spend on each topic, and teaching prerequisites.

Interactive Schemes of Work

Course Planners

This document has been compiled to help departments implement the specifications. A range of possible approaches to planning the course are provided, these are suggestions only and none are intended to be prescriptive (there are many teaching approaches and we are only listing a selection). Please refer to the schemes of work to aid the delivery of the content.

Parallel or Consecutive delivery for Mathematics and Further Mathematics

AS and A level Further Mathematics Course Planner

Use of Technology – GeoGebra Resources

This document contains links to interactive GeoGebra activities to help you teach the content of AS and A level Further Mathematics. These can be used for teaching, or as students' aided or independent learning materials with Pearson Textbooks.

A guide to use GeoGebra when teaching AS and A level Further Mathematics

Baseline Tests

Sample Baseline Core Pure tests and mark schemes for both AS and A level Further Mathematics. (Full set is available for Active Learn subscribers)

Simple Baseline tests

Topic tests

Practice papers for AS and A level Further Mathematics by topic. These are comprised of a mixture of legacy past paper questions, new shadow exam questions and some new questions.

There will be one zip file per paper, you can find the individual files to download in the 'By Paper' cabinets. The topics include Core Pure Mathematics, Further Pure Mathematics, Further Mechanics, Further Statistics and Decision Mathematics.

AS/A level Further Mathematics Topic Tests

Extra Online Content for Pearson Textbooks

Use these content finders to find Solution Bank, GeoGebra interactives and other supplementary resources for Pearson AS and A level Further Mathematics textbooks.

Further Mathematics extra content for all textbooks

Core Pure Mathematics Book 1
Core Pure Mathematics Book 2
Further Pure Mathematics 1
Further Pure Mathematics 2
Further Statistics 1
Further Statistics 2
Further Mechanics 1
Further Mechanics Book 2
Decision Mathematics 1
Decision Mathematics 2

Past Papers

Past papers since the first sitting in June 2018.

Past papers

Modified papers help ensure that candidates with varying needs can access the examination materials needed to accurately assess their skills and knowledge. There is a variety of formats available, each of which aims to accommodate a range of difficulties. The modified papers available are dependent on needs of the students taking that particular exam series.

Modified Papers

Examiner Reports and Exemplar Materials

Examiner reports with examiner commentaries on selected questions from the exam session.

Examiner reports

Real student responses to questions in past papers, and how the examining team follow the mark schemes to demonstrate how the students would be awarded marks on these questions.

Exempler Student Responses

Examiner reports and exemplar responses with examiners commentaries on selected questions from examination sessions.

Examiner reports and Exemplar Student Responses

Grade Boundaries and Enhanced Skills Maps

Grade boundaries every year from 2018.

Grade Boundaries

Enhanced skills maps – spreadsheets include data to help compile your own tests from previous exam series, SAMs and Specimen questions.

Enhanced Skills Maps

Enhanced QLAs

The Enhanced Question Level analysis spreadsheets can be used to give your students feedback, on mock exam questions, in relation to performance figures from the live exam series.

Enhanced Question Level Analysis

Question Level Analysis Video

Specimen Papers

Additional Specimen Sets have been created to provide further exam practice. These include a full set of AS and A level Mathematics question papers and mark schemes.

AS / A level Further Mathematics Specimen Papers

Mock Papers

Mock Sets contain a complete set of Core Pure, Further Pure 1 & 2, Further Statistics 1 & 2, Further Mechanics 1 & 2 and Decision 1 & 2 question papers, word versions and mark schemes.

A level Further Mathematics Mock Sets

Exam-style Practice Papers

Exam-style practice papers and mark schemes for AS and A level Mathematics.
Also available on Active Learn.

AS Further Mathematics Practice Papers

A level Further Mathematics Practice Papers

Shadow Papers

Shadow papers are versions of the papers sat in examinations but with numbers and contexts changed where possible. These papers test much of the same content as the originals (and so the same grade boundaries apply) but cannot, be found elsewhere by students. Student-friendly versions of the mark schemes are provided for these papers.

AS Further Mathematics Shadow Papers

A level Further Mathematics Shadow Papers

Past Training Resources

Past training materials from past Feedback, Getting Ready to Teach and Launch events have been made available including:

- CPD Network events
- Resources to support teaching

Professional Development Videos - YouTube playlist

Professional Development Materials - Maths Emporium

Training and Live Events

Here you can find all the information you need on upcoming training events, network events and live online training events. All designed to help you deliver Pearson Edexcel AS and A level Further Mathematics with confidence.

Live Events

Other related Level 3 Mathematics Specifications

As well as AS and A level Further Mathematics (2017), we offer lots more qualifications at level 2 and 3. We provide Past Papers, Mocks, Specimen Papers as well as classroom resources and practice papers for these qualifications available in the Maths Emporium.

Maths Emporium

For more information on current specifications, please visit our Qualifications website.

A level Mathematics and Further Mathematics website

For an overview of a range of qualifications that are appropriate for learners depending on both their prior attainment in Mathematics and their plans for further study and future employment.

Mathematics Learning Journeys

Legacy A level Mathematics

GCE AS/A level Mathematics - Maths Emporium

A level Statistics

Maths Emporium **A level Statistics Qualification**

International Advanced Level Mathematics (IAL)

Maths Emporium **IAL Mathematics Qualification**

Advanced Extension Award

Maths Emporium **Advanced Extension Award**

Edexcel Awards in Mathematics

Maths Emporium **Edexcel Awards in Mathematics**

Mathematics in Context (Level 3 Core Maths)

Maths Emporium **Mathematics in Context**

Edexcel Online

If you are unsure whether you have Edexcel Online login details, please contact your Exams Administrator in the first instance. They manage the Edexcel Online accounts for your centre and will be able to give you access to download materials or set you up with login details.

Maths Emporium

If you are not registered with the Maths Emporium, you can sign up using the Login/ Register button at www.mathsemporium.com. When registering it is important you use a school email address and enter your centre number. This helps us verify who is requesting access to this bank of resources. It usually takes around 24 hours for your registration to be accepted.

You also have...

Your Mathematics and Statistics subject advisor

UK phone: **0344 463 2931**

Intl phone: **+ 44 (0)344 463 2931**

Email/live chat: **Contact us here!**

X: **@PearsonEdexcel**

Sign up for Subject Advisor Updates