



AS and A level Mathematics Resources

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

All the resources listed here are available from the AS and A Level Maths Qualifications web page, the 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](#).

Step 2

Navigate to the type of resource you are looking for.

Step 3

Click on any of the boxes to download your free Maths Resource.

What type of resource are you looking for?

Specifications and Sample Assessment Materials

[AS Maths Specification](#) 

[A Level Maths Specification](#) 

[AS and A Level Mathematics Large Data Set](#) 

[Mathematical Formulae and Statistical Tables](#) 

Sample Assessment Materials and Model Answers

Sample Assessment Materials

[AS Mathematics](#) 

[A level Mathematics](#) 

Sample Assessment Materials Model Answers

[Pure](#) 

[Statistics](#) 

[Mechanics](#) 

Content Exemplification

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

AS and A Level Mathematics content Exemplification

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

AS Mathematics Sample Assessment Materials Exemplification

A level Mathematics Sample Assessment Materials Exemplification

Getting Started Guide

This guide provides an overview of the new 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.

Getting started guide

Content Guidance

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

A Level Mathematics 9MA0 Enhanced Content Guidance

Content Mapping to Other Qualifications

Mapping documents between the GCE 2008 and GCE 2017 AS and A level 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.

Standalone AS and A level Mathematics only

[AS Maths 1 year SOW](#) 

[A level Maths 2 years SOW](#) 

Parallel delivery with Maths and Further Maths

[AS Maths and Further Maths - Parallel delivery](#) 

[A level Maths and Further Maths - Parallel delivery](#) 

Consecutive delivery with Maths and Further Maths

[AS Maths and Further Maths - Consecutive delivery](#) 

[A level Maths and Further Maths - Consecutive delivery](#) 

Course Planners

These documents have 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.

Standalone AS and A level Mathematics only

[AS and A level Mathematics Course Planner](#) 

Parallel or Consecutive delivery with Maths and Further Maths

[AS and A level Further Mathematics Course Planner](#) 

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](#) 

Teacher Guides – Statistics and Mechanics

These booklets look at the content of AS and A level Mathematics qualifications and are intended to offer explanations of the terminology that is being used in specifications, guidance on how to approach teaching and help on where and how to use technology to support the delivery of the course.

[Teaching Guide – Statistics for AS and A level Mathematics](#) 

[Teaching Guide – Mechanics for AS and A level Mathematics](#) 

Use of Technology – GeoGebra Resources

This document contains links to interactive GeoGebra activities to help you teach the content of AS and A level 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 Mathematics](#) 

Use of Calculator Video Tutorials

This guide contains links to videos designed to help you teach the content of AS and A level Mathematics qualifications with the aid of the calculators. **FX-991EX ClassWiz advanced scientific calculator and FX-CG50 Graphic calculator are featured in these videos.**

These can be used for teaching, or independent learning materials with Pearson Textbooks.

[A guide to use calculators when teaching AS and A level Mathematics](#) 

New Content Resources

These two sets of worksheets contain examples and exercises covering a range of pure mathematics contents for AS and A level Mathematics qualifications.

AS and A level Mathematics New Content Resources – Pure Mathematics 

Large Data Set

Four sets of activities including Teachers' notes and students' worksheets, to support teaching the large data set.

Large data set activities 

These provide some teaching ideas and summarised graphs to support the teaching of the large data set.

Large Data Set presentation 

Large Data Set Summary Statistics 

Graphs from the Edexcel Large Data Set 

Statistics – Starter for 10 

Modelling Questions

A collection of questions taken from previous A level Mathematics Pure Mathematics papers – essentially every question with the word 'model' included.

Pure Maths Modelling Questions 

'Transition' Worksheets

A set of 23 worksheets to help students to master key mathematical skills transitioning from GCSE to A level Mathematics, each worksheet contains worked examples, practice questions with answers.

GCSE to A level Transition worksheets 

'Transition' Videos with Practice Questions

This includes a range of videos, practice questions and exam questions to help students consolidate and sharpen their mathematical skills.

GCSE to A level Transition Videos with Practice Questions 

Questions for GCSE Higher tier

This includes a range of videos, practice questions and exam questions to help students consolidate and sharpen their mathematical skills.

GCE Questions for GCSE Higher tier 

Unit Tests

Unit tests and mark schemes to support delivery of AS and A level Mathematics, for specific topics or learning requirements. Also available on Active Learn.

AS Mathematics 

A level Mathematics 

Shadow Unit Tests

Shadow versions of the unit tests. These resources can also be used to help you deliver remote teaching.

AS Mathematics 

Baseline Tests

Baseline tests and mark schemes for both AS and A level Mathematics.

Baseline tests 

Extra Online Contents for Pearson Textbooks

Use these content finders to find Solution Bank, GeoGebra interactives and Casio calculator support for Pearson AS and A level Mathematics textbooks.

[Pure Mathematics Year 1/ AS](#) 

[Pure Mathematics Year 2](#) 

[Statistics and Mechanics Year 1/ AS](#) 

[Statistics and Mechanics Year 2](#) 

AS and A level Mathematics Resources *

Our A level resources give your students the best preparation. Explore our qualification support for AS and A level Mathematics:

[Explore Qualification support guide](#) 

[Explore Subject Guide](#) 

Casio calculators discount

We are working with Casio to bring you a special discount on two of their calculator models: FX-991EX advanced scientific calculator and FX-CG50 Graphic calculators. You can find out more via this link.

[Casio calculators discount](#) 

* No paid-for products and services are required to deliver Pearson Edexcel qualifications.

Past Papers

Past papers since the first sitting in June 2018.

[June 2018](#) 

[June 2019](#) 

[October 2020](#) 

Exemplar Materials

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.

[Exemplar Student Responses](#) 

Mock Papers

Each Mock Set contains a complete set of Pure, Statistics and Mechanics question papers, word versions (set 2 only) and mark schemes.

[A level Mathematics Mock Set 1](#) 

[A level Mathematics Mock Set 2](#) 

Question Guide for Mock Set 2

A Guide to our question paper improvements from Summer 2020 onwards. These improvements can be seen from our A level Mathematics Mock Papers – Set 2.

[A level Mathematics Question Guide](#) 

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 level Mathematics Specimen Papers](#) 

[A level Mathematics Specimen Papers](#) 

Practice Papers

These are stand-alone questions especially written by our Senior Examining team as an additional resource.

Practice Papers Set 1-3 

Exam-style Practice Papers

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

AS Mathematics 

A level Mathematics 

Additional Practice Papers

These papers have been created by putting together legacy GCE specifications questions that were mapped to the new spec and new assessment objectives.

AS Mathematics Set A-J 

A level Mathematics Set A- Q 

A level Mathematics – Mechanics Set 1-8 

Shadow Papers

These papers take the past papers as a basis and then contexts and values in the questions are modified, making them unique. They all come with fully updated mark schemes. This means existing grade boundaries and data can be used when analysing your students' results.

AS Mathematics – Summer 2018 

AS Mathematics – Summer 2019 

A level Mathematics – Summer 2019 

Practice Papers

Practice papers compiled from legacy questions taken from the A level papers, over the last six years or so, and mapped to the new specification requirements, arranged by topic.

AS Mathematics
- Pure 

AS Mathematics
- Statistics 

AS Mathematics
- Mechanics 

A level Mathematics
- Pure 

A level Mathematics
- Statistics 

A level Mathematics
- Mechanics 

Past Training Recordings

We have made available all our past training including:

- CPD Network events
- Resources to support teaching

[Past Training Videos](#) 

Past Training Resources

Past training materials from past Feedback, Getting Ready to Teach and Launch events

[Past training resources](#) 

Training and 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 Mathematics with confidence.

[Live events](#) 

Other related Level 3 Maths Specifications

Maths Emporium

As well as AS and A level 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.

A level Maths website

For more information on current specifications from our Qualifications website.



Legacy A Level Mathematics



A level Statistics



International Advanced Level Mathematics (IAL)



Advanced Extension Award



Edexcel Awards in mathematics



Mathematics in Context (Level 3 Core Maths)

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!** 

Twitter: **@EmporiumMaths** 

Sign up for subject advisor updates 