

# How can Pearson Edexcel GCSE (9–1) Mathematics Second Edition help your students stay on track?

We are passionate about every student being given the opportunity to achieve their full potential. Following the recent disruption in learning, we know you want every student to stay on track. Our focus remains on supporting you, as you work to help every student bridge any gaps in their knowledge, so they are able to progress to the next attainment level and succeed.

In this handy document Katherine Pate and Dr Naomi Norman, the Pearson Edexcel GCSE (9–1) Mathematics series editors, have outlined some of the ways the second edition Student Books and [ActiveLearn](#) Digital Service can help.

## Thinking mathematically and working together

To ease students back into maths in the classroom, you might want to start with some collaborative problem solving. Working in teams or pairs on ‘open book’ problems takes the pressure off students to remember formulae or methods, jogs their memories, and allows discussion that strengthens reasoning skills and builds understanding.

Set problems from:

- the ‘Mixed exercises’ sections – these provide questions on a mix of topics from the previous units
- problem-solving and reasoning questions in every lesson
- the ‘Extend’ section in each unit
- deep learning activities on [ActiveLearn](#) – these involve problem-solving, reasoning, discussion and reflection, and help students make connections between different areas of mathematics.

## Revising or reorganising your scheme of work

You may want to adapt your scheme of work, to allow for revisiting some content while continuing the learning. The interactive schemes of work on **ActiveLearn** allow you to change the order of teaching topics, and alert you if a topic requires prior knowledge that you will not yet have taught.

## Identifying knowledge gaps

**ActiveLearn** Progress and Assess has an end-of-unit test for every unit, which you can use to identify individual students' strengths and weaknesses. The online markbook tracks students' progress and allows you to identify where individual or whole-class interventions are needed.

The optional Assessment Builder tool enables you to create your own assessments, based on Pearson Edexcel GCSE (9–1) Mathematics questions, to help diagnose gaps in knowledge – you could build your own tests on the topics students should have covered before the pandemic or during remote learning.

The 'Check up' test in each unit groups questions by topic, to identify the specific areas where students need support.

## Filling the knowledge gaps

Where students need to recap a topic, the 'Strengthen' section in each unit provides structured support for students to work at their own pace on the topics they need to revisit. The 'Check up' test preceding it identifies the specific 'Strengthen' sections that students need to work through. The end-of-unit test in the Student Book, or in **ActiveLearn**, checks their progress.

**ActiveLearn** homework for each lesson gives extra practice and consolidation.

**ActiveLearn** videos demonstrate worked examples, showing how to tackle questions and show working.

## Moving on with new learning

- Each unit has a prior knowledge check, so you can check students' recall, and do any necessary catch up, before you start new work.
- Questions in each lesson are paced to develop students' confidence by progressing in small steps, and cover the whole curriculum.
- The unit structure follows a tried-and-tested differentiation approach:
  - 'Check up' test (formative assessment)
  - 'Strengthen' or 'Extend' allows students to personalise their learning and get the right level of support to strengthen their understanding and apply it in a range of problems.
- Higher and Foundation crossover content is clearly marked to help with tiering decisions.

You can be confident that **Pearson Edexcel GCSE (9–1) Mathematics Second Edition** will help your students get back on track and give them the best preparation for GCSE and beyond.

Our GCSE Maths course also includes a range of intervention and revision resources to support you every step of the way with identifying any knowledge gaps and making the right interventions to get students back on track.

[Find more resources to help stay on track here](#)

[Find out more and buy Pearson Edexcel GCSE \(9–1\) Mathematics Second Edition](#)