

Second Edition

# Maths Progress

Your guide to our  
KS3 maths course



[pearsonschools.co.uk/  
mathsprogress](http://pearsonschools.co.uk/mathsp进步)

Pearson

# Key Stage 3 Maths has evolved, so our resources have too

We want every student to engage with the power of maths so they can develop the skills and confidence to achieve and progress throughout their lives.

That's why **Maths Progress (Second Edition)** has been built on our well-loved 2014 course, your feedback and the latest research to engage your Key Stage 3 students, boost their mathematical confidence and give them the best preparation for GCSE study and beyond.



- confidence
- progression
- problem-solving
- fluency\*\*

## What's in Maths Progress (Second Edition)?

Pages 4–7

## The Core Curriculum your whole cohort can use

Pages 10–11

## A unique approach to boosting students' mathematical confidence

Pages 8–9

## Tried-and-tested differentiation to support every student

Pages 12–15

## Focus on skills-building and practice

Pages 16–19

## Next steps

Pages 26–27

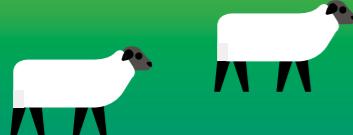
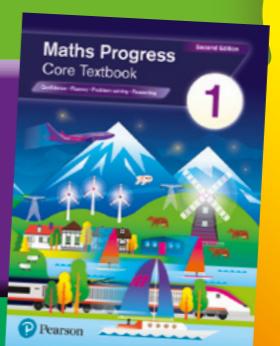
## Why choose Maths Progress?

Pages 28–31

## Bolstering progression for KS3 and beyond

Pages 20–25

## Start a 30-day free trial of Maths Progress (Second Edition)



# What's behind the evolution?

The Maths Progress course has been purposefully updated to support you and your students with making the most of Key Stage 3 maths and preparing for their next steps.



## We've used the following...

KS3 Maths Progress is used in 2,300 schools



KS3 Maths Progress being in classrooms since 2014



Feedback from thousands of teachers and students



An independent research study with the Institute of Education, UCL focusing on the effectiveness of KS3 Maths Progress



Reviews by global experts in teaching for mastery



'The 10 key principles of building confidence in maths'  
(see page 8)



Working alongside teachers in our Teacher Partner Programme to ensure that our resources really deliver what's needed



The latest cutting-edge approaches such as Purposeful Practice  
(see page 19)

## to shape a course with more of what you love...

- **Helping KS3 students master maths with confidence** with an established, UK-specific approach that draws upon global best practices and cutting-edge research
- **Tried-and-tested differentiation** with a unique unit structure to support every student's progress
- **Focus on confidence, progression, problem-solving and fluency**
- **Consistency across 11–16** through seamless alignment with our GCSE Maths courses

## and to take it even further...

- **A well-paced and structured Core Curriculum**, creating a connected pathway you can use with your whole cohort
- **Updated textbooks and digital services** that work together to give the fullest support for planning, teaching, assessing and progress-tracking across KS3 and on to GCSE
- **Extra skills-building support and practice** to consolidate learning, deepen understanding and forge connections between topics
- **Updated and appropriately levelled assessments** that reflect the latest exams to ease and bolster students' progression to GCSE

## The series at a glance

There's no one 'right' way to teach maths. That's why Maths Progress (Second Edition) has several components that you can choose and use to create the course that works best for you and your students.

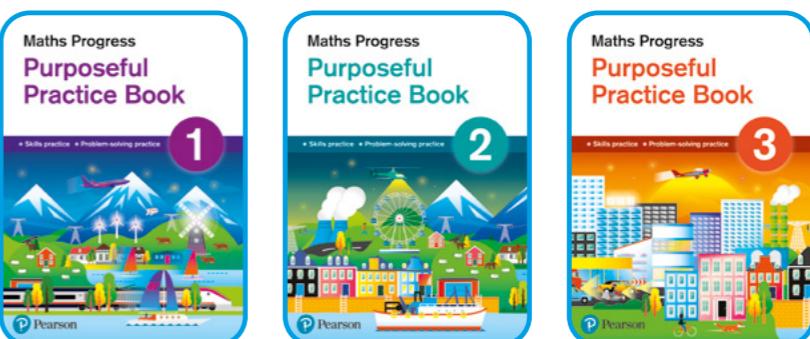
### Textbooks with tried-and-tested differentiation



### ActiveLearn – your online toolkit



### Purposeful Practice Books – a different kind of practice book



Explore free samples, **ActiveLearn** resources, and start a free trial online at: [pearsonschools.co.uk/mathsp进步](http://pearsonschools.co.uk/mathsp进步)

# A unique approach to boosting students' mathematical confidence

## Every student can be a confident mathematician.

That's why the Maths Progress series is specifically founded on key principles to nurture students' confidence in maths so they can believe it too.

And if they can believe it, they can persevere, achieve, and progress.

### The 10 key principles of building confidence in maths

These evidence-based principles underpin Maths Progress to boost students' confidence and raise attainment:

- Fluency
- Problem-solving
- Reflection
- Mathematical Reasoning
- Progression
- Linking
- Multiplicative Reasoning
- Modelling
- Concrete–Pictorial–Abstract (CPA)
- Relevance

## And the approach works...

From what teachers, students and research studies have told us, we've seen that the Maths Progress series has helped students' confidence in maths grow across the world.

“ Students do say ‘I like maths’ a lot more than they used to. Maths Progress has obviously contributed to that.  
– *Head of Maths\** ”

“ My confidence has grown.  
– *Year 8 Student\** ”

“ Everyone can have a go, it doesn’t matter if you make a mistake. There is that environment that’s been created and I would say these resources have helped do that.  
– *Maths Teacher  
Hamstead Hall Academy* ”

 **Effectiveness of KS3 Maths Progress highlighted by an independent research study with the Institute of Education, UCL**

\* Quotations from the independent research study with the Institute of Education, UCL about the effectiveness of KS3 Maths Progress

# The Core Curriculum your whole cohort can use

To help every student become a confident mathematician, Maths Progress (Second Edition) is built on a well-paced Core Curriculum, creating a connected pathway that all your students can follow.

- Sequenced to ensure topics and concepts are revisited and built upon throughout KS3**, to embed conceptual understanding and develop problem-solving skills
- Accessible starting points for every lesson** to boost confidence and identify misconceptions early
- Consistent and accurate use of mathematical language and explanations**, to give students the vocabulary they need to reason mathematically
- Built-in differentiation enables all students to work on the same topic at the same time**, so you have the flexibility to use it with sets or mixed-ability classes
- Fully aligned Core, Support and Depth books, with online and printable homework activities** to help students build understanding at the level that's right for them
- A free interactive scheme of work** brings together teacher guidance, resources and paid-for assessments all in one place, to help plan the most effective lessons

## How it works

The Core Textbooks and **ActiveLearn** materials are designed for every class to use.

### Core Textbooks – for your whole cohort

Based on a single, well-paced curriculum with built-in differentiation, fluency, problem-solving and reasoning so you can use them with your whole cohort. They follow the unique unit structure that's been shown to boost confidence and support every student's progress.

Aligned Support and Depth materials enable students to work at the level that's right for them.

### Support Books – strengthening skills and knowledge

Provide extra scaffolding and support on key concepts for each lesson in the core curriculum, giving students the mathematical foundations they need to progress with confidence.

### Depth Books – extending skills and knowledge

Deepen students' understanding of key concepts, and build problem-solving skills for each lesson in the core curriculum so students can explore key concepts to their fullest.

# Tried-and-tested differentiation to support every student

To help your Key Stage 3 students progress and master maths with confidence, differentiation is embedded within the structure of each unit in the Core Textbooks.

- Unique UK-specific approach
- Draws on global best practice and cutting-edge research
- Effectiveness evaluated in a study with the Institute of Education, UCL
- Aligns seamlessly with our GCSE resources for a consistent 11-16 experience
- Enables students to personalise their learning

“

The resources help me check my progress so I can look back and see how far I've come. It also allows me to simplify the question if I don't understand it the first time.

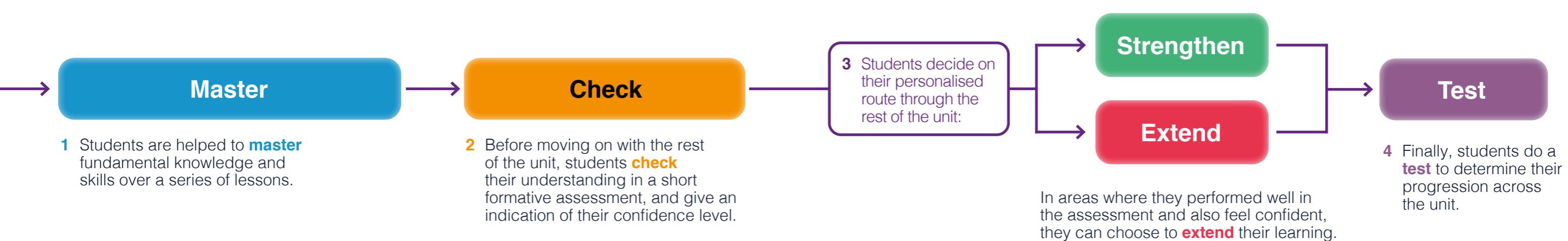
– Student\*

“

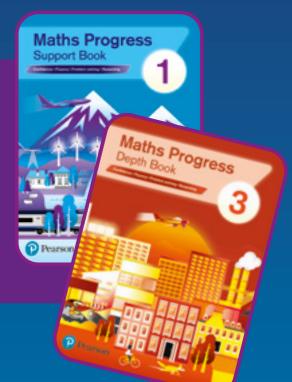
There is that clear structure embedded within each topic, and as a result the lessons have the questions building from basic skill to really advanced skill[s]. But they are open-ended – there are so many different approaches you can take.

– Maths Teacher\*

## How it works...



You can use the **Support and Depth Books** at any point throughout the unit. They're designed to give the right level of support and additional problem-solving content to help **strengthen** students' understanding of key concepts.



\* Quotations from the independent research study with the Institute of Education, UCL about the effectiveness of KS3 Maths Progress

# A closer look at the Core Textbook unit structure

## Master

Master Check up p48 Strengthen p50 Extend p55 Unit test p57

### 2.6 Negative numbers

- Order positive and negative numbers
- Add and subtract positive and negative numbers
- Begin to multiply with negative numbers

**ActiveLearn**  
Homework  
Videos  
Planning

**Warm up**

- Fluency Count down from 5 to  $-5$ .
- This temperature scale shows positive and negative temperatures in degrees Celsius ( $^{\circ}\text{C}$ ).
  - What was the temperature on
    - i Monday
    - ii Tuesday
    - iii Wednesday
    - iv Thursday
  - Is the temperature getting warmer or colder from Monday to Thursday?
- The temperature now is  $14^{\circ}\text{C}$ . It cools down by 5 degrees. What is the new temperature?

**Worked example**  
The temperature is  $-2^{\circ}\text{C}$ . It gets  $5^{\circ}\text{C}$  warmer. What is the new temperature?

**Key point** The symbol  $>$  means greater than. The symbol  $<$  means less than.

**6** Write the correct symbol,  $<$  or  $>$ , between each pair of temperatures.  
 a  $3^{\circ}\text{C} \dots 9^{\circ}\text{C}$    b  $8^{\circ}\text{C} \dots 2^{\circ}\text{C}$    c  $-3^{\circ}\text{C} \dots 5^{\circ}\text{C}$   
 d  $6^{\circ}\text{C} \dots -2^{\circ}\text{C}$    e  $-4^{\circ}\text{C} \dots -3^{\circ}\text{C}$    f  $-2^{\circ}\text{C} \dots -7^{\circ}\text{C}$

**7** Write the correct symbol,  $<$  or  $>$ , between each pair of numbers.  
 a  $4 \dots 7$    b  $5 \dots 2$    c  $9 \dots -1$   
 d  $-6 \dots 3$    e  $-3 \dots -8$    f  $-7 \dots -2$

**8** Here are the goal differences of some football teams. Arrange each set of numbers in order of size, smallest first.  
 a  $7, 8, 19, -2, -5, -14, -9$   
 b  $-4, -6, -2, -11, -6, 7, -13$   
 c  $-21, -30, 24, 63, -12, -41, 23, -15$

**9** Use a number line to work these out.  
 a  $-3 - 1$    b  $-3 - 2$    c  $-3 - 3$    d  $-3 - 4$    e  $-4 - 3$   
 f  $-4 - 4$    g  $-4 - 5$    h  $-5 - 4$    i  $-5 - 5$    j  $-5 - 6$

**10** Work out  
 a  $3 - 4$    b  $2 - 4$    c  $1 - 4$    d  $-4 + 3$    e  $-4 + 4$   
 f  $-4 + 5$    g  $-4 + 6$    h  $-5 + 6$    i  $-6 + 8$    j  $-8 + 6$

**11** Work out  
 a  $3 \times 2$    b  $3 \times -2$   
  
 c  $4 \times 1$    d  $4 \times -1$   
 g  $2 \times 3$    h  $2 \times -3$   
 e  $2 \times 5$    f  $2 \times -5$   
 i  $6 \times 8$    j  $6 \times -9$

**Q8 hint** Use a number line to help.

## Check up

Master p26 Check up Strengthen p50 Extend p55 Unit test p57

### 2 Check up

**Written methods**

- Work out these calculations. Make an estimate to check your answer.  
 a  $318$    b  $431$    c  $8329$    d  $4137 - 82$   
 $\begin{array}{r} +471 \\ \hline \end{array}$     $\begin{array}{r} +289 \\ \hline \end{array}$     $\begin{array}{r} -6645 \\ \hline \end{array}$
- Work out  $404 \div 4$ . Show how you checked your answer.
- Work out these calculations. Make an estimate first.  
 a  $2513 \times 4$    b  $28 \times 34$    c  $419 \div 19$

**Mental work**

- a Round 28417 to the nearest 10 000.  
 b Round 562104 to the nearest 10 000.
- Work out  
 a  $8 \times 30$    b  $60 \times 70$    c  $20 \times 5000$
- Work out  $23 \times 9$ .
- a In Edinburgh the temperature was  $-3^{\circ}\text{C}$ . In Liverpool the temperature was 5 degrees warmer. What was the temperature in Liverpool?  
 b In Cardiff the temperature was  $4^{\circ}\text{C}$ .

## Strengthen

Master p26 Check up p48 Strengthen Extend p55 Unit test p57

### 2 Strengthen

**Written methods**

- Work out these calculations. The first two have been started for you.  
 a HTO   b  $726$   
 $\begin{array}{r} 458 \\ +214 \\ \hline 2 \end{array}$   
 c  $348 + 491$    d  $223 + 585$    e  $2438 + 192$   
 f  $164 + 52$    g  $75 + 139$    h  $642 + 4389$
- Work out these calculations. The first two have been started for you.  
 a H T O   b  $974$   
 $\begin{array}{r} 542 \\ -123 \\ \hline 9 \end{array}$   
 c  $346 - 182$    d  $925 - 671$    e  $518 - 236$   
 f  $764 - 493$    g  $3495 - 1523$    h  $6822 - 351$

**Q1a hint** Write 1 ten in the Tens column.  
**Q1f hint** Line up the Hundreds, Tens and Ones.

**Q2a hint** Use 1 ten from the Tens column to make 12 ones.

## Extend

Master p26 Check up p48 Strengthen p50 Extend Unit test p57

### 2 Extend

- a Work out  
 i  $(4 + 4) \div (4 + 4)$    ii  $(4 \times 4) \div (4 + 4)$   
 iii  $(4 + 4 + 4) \div 4$    iv  $4 \times (4 - 4) + 4$   
 v  $(4 \times 4 + 4) \div 4$    vi  $4 + (4 + 4) \div 4$   
 b What do you notice about your answers to part a?  
 c Reasoning How could you use four 4s to make 7? ... to make 8?
- a Which of these numbers are square numbers?  
 123, 169, 101, 144, 230  
 b Reasoning Gwynfor says, 'There is no square number between 122 and 140.' Is he correct?
- Problem-solving / Reasoning  
 1 September 2010 was a Wednesday.  
 1 September 2011 was a Thursday.  
 When will 1 September next fall on a Wednesday?
- Problem-solving / Reasoning Seating arrangements need to be made for 42 girls and 36 boys attending a school prom. All tables need to have the same number of girls. All tables need to have the same number of boys. All tables need to have at least one girl and one boy.

**Q3 hint** You need to take leap years into account.

## Unit test

Master p26 Check up p48 Strengthen p50 Extend p55 Unit test

### 2 Unit test

- Round 2486 005 to the nearest 100 000.
- Work out  $1063 - 297$ .
- Work out  
 a  $82 \times 6$    b  $371 \times 62$
- Work out  
 a  $168 \div 8$    b  $8473 \div 13$
- A weather chart shows these temperatures.  
 $5^{\circ}\text{C}, -1^{\circ}\text{C}, 3^{\circ}\text{C}, -4^{\circ}\text{C}, 0^{\circ}\text{C}, -5^{\circ}\text{C}$   
 a Which is the warmest temperature?  
 b Is  $0^{\circ}\text{C}$  colder or warmer than  $-1^{\circ}\text{C}$ ?

# Focus on skills-building and practice in the classroom

Teachers and students told us that they want more opportunities to practise and build skills.

That's why Maths Progress has more meaningful practice built in across our books and **ActiveLearn** than ever before.

**ActiveLearn** Easy-to-use front-of-class materials online

Signposted exercises to boost reasoning skills, fluency and reflection

Synoptic questions that build connections between topics – a key part of progressing to GCSE (9–1) study

Updated and appropriately levelled questions that reflect the latest GCSE (9–1) exams so students are familiar with the style they'll see in later years

**ActiveLearn** Over 500 editable and printable homework worksheets linked to each lesson and differentiated to the Core, Support and Depth strands

**ActiveLearn** 2,500+ auto-marked online homework activities

Clear problem-solving practice

**ActiveLearn** Teacher-to-teacher guidance videos on topic points, misconceptions and teaching approaches

Guidance for students, including worked examples, key points, hints and videos also available on **ActiveLearn**

**ActiveLearn** Handy features such as 'zoom' areas and 'playlist' tools make it easier to customise and use the resources during each lesson.

Explore free samples, **ActiveLearn** resources, and start a free trial online at [pearsonschools.co.uk/mathsp进步](http://pearsonschools.co.uk/mathsp进步)

# Focus on skills-building and practice out of the classroom

To help create a seamless learning experience for students, our **ActiveLearn** service gives online access to Maths Progress resources making them easy to use for independent study and homework.



**Homework tasks** are flagged to students when auto-marked online homework exercises are assigned to them.

**Student resources** include videos, animations and homework worksheets.

**Online books** that students can access anytime

The use of ActiveLearn for their independent learning resources at home has been really beneficial ... ultimately that is saving time in a working day for a teacher.

– Maths Teacher, Hamstead Hall Academy

I really enjoy the online videos because... it notes key points and how to do it and I can visually see someone solving a question when I don't understand.

– Year 8 Student\*

## Purposeful Practice Books and ActiveBooks

A different kind of maths practice book developed with UK teachers and based on cutting-edge approaches to help students make the most of practice.

Each of our Key Stage 3 books has over 3,750 questions using minimal variation that:

- build in small steps to consolidate knowledge and boost confidence
- focus on strengthening skills and strategies, such as problem-solving
- help every student put their learning into practice in different ways
- are fully aligned to the Core Textbooks
- give students a strong preparation for progressing to GCSE study.

This sample is taken from the **ActiveLearn** front-of-class materials for Maths Progress (Second Edition).

Try **ActiveLearn** for free at: [pearsonschools.co.uk/mathsp进步](http://pearsonschools.co.uk/mathsp进步)

\* Quotations from the independent research study with the Institute of Education, UCL about the effectiveness of KS3 Maths Progress

# Bolstering progression across KS3 and beyond

From free materials and in-built progression and tests throughout the books to the Progress & Assess suite in **ActiveLearn**, every element of Maths Progress (Second Edition) is designed to help your students progress with confidence.

“  
The students' confidence is improving from where it was. Part of that is that they are being challenged a lot more... KS3 Maths Progress has developed them a lot.  
– Head of Maths\*  
”

“  
It prepares them and gives them a brief insight into what the GCSE will be like.  
– Head of Maths\*  
”

“  
If I get stuck I'm like 'this question isn't going to beat me'... I'll just try and think of a way around it. And it just makes me want to finish the question a little bit more.  
– Year 7 Student\*  
”

## How Maths Progress (Second Edition) does this...

- **Free** **Editable interactive scheme of work** for Maths Progress (Second Edition)
- **Free** **Editable interactive scheme of work for 11–16 maths** that's linked to the official Pearson Edexcel GCSE (9–1) Mathematics scheme of work
- **Free** **KS3 and KS4 baseline tests** so you can assess each student's starting point at the beginning of Year 7 and the end of Year 9
- **In-built progression** with recaps, progress checks and questions throughout the books – including 'Challenge' and 'Reflect' sections and Unit tests
- **Differentiated pathways** with Support and Depth materials help students strengthen or extend their skills and understanding

### Plus...

The fullest KS3 maths progression and assessment suite available with **ActiveLearn** Progress & Assess.

**See more overleaf** 

# Bolstering progression across KS3 and beyond

Maths Progress (Second Edition) also has a whole suite of progression tools and materials on **ActiveLearn** making it the only KS3 maths series to have fully aligned, high-quality assessments with accurate built-in data reporting and a GCSE-ready approach.

## How ActiveLearn Progress & Assess works...

- **Designed to suit your needs**, the suite can support your existing progress-tracking methods or provide a complete solution
- **Aligns with resources across Key Stages 3–5** so you can consistently track progress in maths and other subjects across your school
- **30 pre-unit activities**, including games, recaps and knowledge organisers
- **96 KS3 assessments**, including baseline, end-of-unit, end-of-term and end-of year tests
- **Separate calculator and non-calculator papers** with mark schemes, online markbooks and indicative GCSE (9–1) grades
- An optional **Assessment Builder** tool enables you to create your own assessments based on Maths Progress questions

Note: This service is included as part of a full ActiveLearn subscription or is available as a separate Progress & Assess subscription.

Try **ActiveLearn** for free at: [pearsonschools.co.uk/mathsp进步](http://pearsonschools.co.uk/mathsp进步)

Our two-tier assessment model includes 60% common questions from Core materials.

Maths Progress 1 Support/Core End of Unit 2 Mark Scheme

**Mark scheme**

This test is divided into non-calculator (20 marks/25 minutes) and calculator (10 marks/15 minutes) sections which can be delivered separately.

The following marks are awarded for each question.

|    |   |
|----|---|
| B  | Unconditional accuracy mark   |
| M  | Method mark – the correct method must be shown but there may be an arithmetic error; the sight of the value given in brackets implies the award of the method mark  |
| A  | Accuracy mark – unless the question specifies that working <b>must</b> be shown then the sight of the correct answer implies the award of full marks (unless the answer clearly comes from incorrect working)                     |
| C  | Communication mark  |
| P  | Process mark to show correct process for problem solving. Any other process of a similar standard to achieve an accurate result is acceptable to achieve this mark  |
| FT | Incorrect values may be followed through from one step to the next provided that the correct method is used in each step and the only errors are arithmetic. This is shown in mark schemes by putting a number in inverted commas |
| OE | Or equivalent answer mark   |

**Non Calculator**

| Q   | Answer                                | Mark | Comment                                     |
|-----|---------------------------------------|------|---|
| 1 a | 163                                   | B1   |   |
| b   | 36                                    | B1   |   |
| 2   | c 5950                                | B1   |   |
| 3   | 3.0054 3.045 3.4005 3.405 3.5004      | B1   | Either first 3 or last 3 correct            |
| 4   | b 5 + 4 x 3 = 2 =                     | B1   | All correct                                 |
| 5   | insert image 2 3.3 5 correctly placed | B1   | Correct absence of a 0 or 12 for full marks |
|     | 6 10 correctly placed                 | B1   |   |
|     | 7 11 correctly placed                 | B1   |   |
| 6   | 12                                    | M1   | Common denominator of 20 (0.6)              |
|     | 20                                    | A1   | Numerator correct                           |

Maths Progress 1 Support/Core End of Unit 2 Test

NAME \_\_\_\_\_

Non-calculator

1 Work out

a.  $125 + 58$   
b.  $83 - 47$

(2 marks)

2 Which of the following numbers when rounded to the nearest 100 gives the answer 6000?

a. 5949  
b. 6055  
c. 5955  
d. 6051

(1 mark)

3 Put the following numbers in order from smallest to largest

3.405 3.045 3.0054 3.5004

(2 marks)

4 Which of the following calculations has the answer 18?

a.  $4 + 5 \times 2 = 5 =$   
b.  $5 + 4 \times 3 = 2 =$   
c.  $3 + 2 \times 4 = 8 =$   
d.  $2 + 3 \times 4 = 5 =$

(1 mark)

5 Place the following numbers in the diagram below

2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Insert image 1 here

(3 marks)

Mark schemes provide clear marking guidance

Indicative 9–1 grades in online markbooks are based on student results, relative to their stage of learning.

Course: KS3 Maths | Length: 3 years | Course started: 2018

Add assessment results Set baseline Set target Export Print

Termly assessments (9)

| First Name | Last Name | Course Target | Assessment Progress | 10/01/2019 | 08/11/2018 |
|------------|-----------|---------------|---------------------|------------|------------|
| Maya       | Patel     | 3             | 3                   | 3          | 2          |
| Iris       | Pyatt     | 4             | 4                   | 3          | 2          |

Online markbooks track students' strengths and weaknesses, so you can see if individual or whole-class interventions are needed.

A RAG (red, amber, green) status is given for each assessment so you can see at a glance how students are doing per question, per assessment and per target.



# Supporting 5–19 Progression

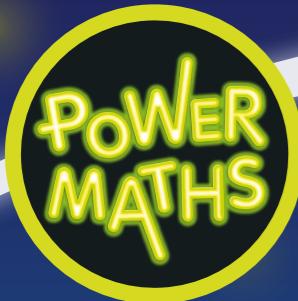
We believe that everyone should have the opportunity to enjoy exploring maths.

That's why all our Pearson resources, including Maths Progress (Second Edition), work together to help you equip your students with what they need to progress and take their next steps with confidence.

## Aligned learning approaches

Hundreds of primary schools now adopt a mastery-led curriculum. Maths Progress is built on mastery principles, so students have a continuous approach from primary through to Key Stage 3.

Primary



Maths  
Progress

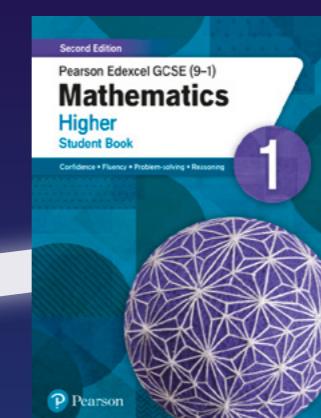
Secondary

## Easing the transition from Key Stage 2 to Key Stage 3

To ensure every student starts from a similar point, Maths Progress consistently recaps and builds on prior learning from primary school.

## Boosting confidence

Maths Progress is founded on key principles to ensure that students can master Key Stage 3 maths with confidence, in readiness for their next steps.

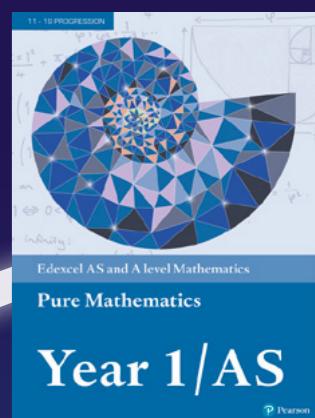


## Building key skills for GCSE and beyond

Maths Progress embeds and signposts synoptic links and problem-solving skills – vital for further study and the future.

## Smoothing the transition to next steps

With KS3-appropriate GCSE-style questions, Maths Progress familiarises students with what they'll see in later years.



## Consistency across the curriculum

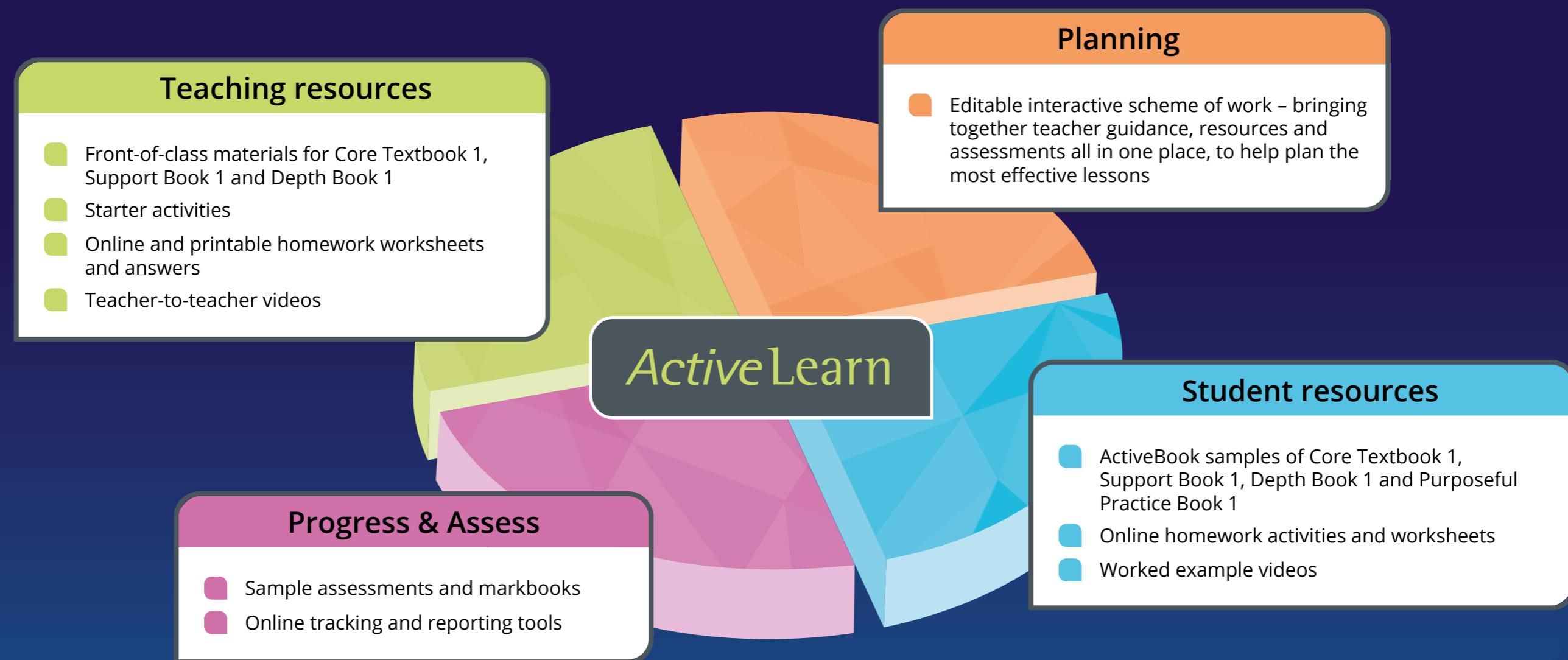
Our resources follow similar formats and approaches to give a consistent teaching, learning and reporting experience.

Learn more at [pearsonschools.co.uk](https://www.pearsonschools.co.uk)



## Like what you've seen? Explore more online!

This guide gives a snapshot of Maths Progress (Second Edition), but there's more to see online. Simply visit [pearsonschools.co.uk/mathsprecisionline](https://www.pearsonschools.co.uk/mathsprecisionline) to see the bigger picture of what the course has to offer with a 30-day free trial of [ActiveLearn](#).



Try [ActiveLearn](#) for free at [pearsonschools.co.uk/mathsprecisionline](https://www.pearsonschools.co.uk/mathsprecisionline)

# Why Maths Progress for KS3 (Second Edition)?

**Comprehensive digital service including planning, delivery and homework-setting through ActiveLearn.**

Textbooks and digital services that work together for planning, teaching and progress tracking from KS2, across KS3 and on to GCSE.

**Built on mastery principles and Power Maths for KS2.**

To ease the transition from KS2 to KS3, Maths Progress (Second Edition) consistently **recaps and builds on prior learning** from primary school.

*Our Power Maths for KS2 series is perfectly aligned to the White Rose Maths progressions and schemes of learning, and recommended by the DfE.\**

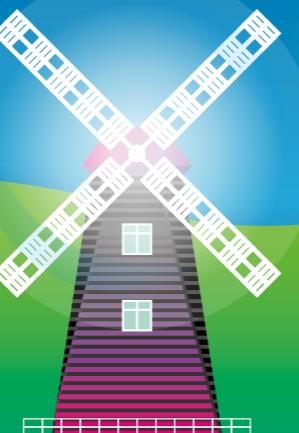
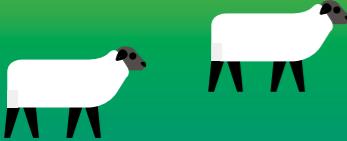
**Bolster students' progression to GCSE with a format that seamlessly aligns with our GCSE Maths resources.**

Appropriately levelled questions and updated assessments that reflect the latest GCSE (9–1) exams plus **5-year Schemes of Work**.

**Shown to help KS3 students master maths with confidence with an established, UK-specific approach that draws upon global best practices and cutting-edge research.**

Builds on the results of an independent research study we conducted with the Institute of Education, UCL. You can read the full efficacy report on our [Tried, Tested, Trusted webpage](#).

Underpinned by ten evidence-based principles of building confidence in maths. You can read more about the pedagogy behind the series on our [Confidence for all webpage](#).



# Like what you've seen? Explore more online!

A tried-and-tested differentiation approach that supports every student's progress. Our unique unit structure has been used by 100,000s of students.

## How it works

### 1 Master

Students are helped to **master** fundamental knowledge and skills over a series of lessons.

### 2 Check

Before moving on with the rest of the unit, students **check** their understanding in a short formative assessment, and give an indication of their confidence level.

### 3 Personalise

Students decide on their personalised route through the rest of the unit:

Strengthen

Extend

### 4 Test

Finally, students do a **test** to determine their progression across the unit.

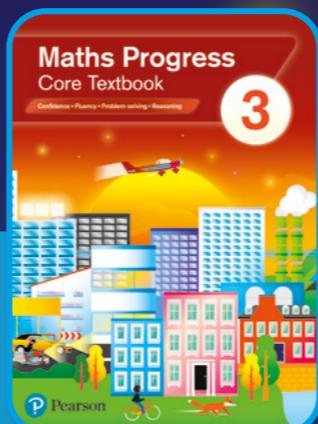
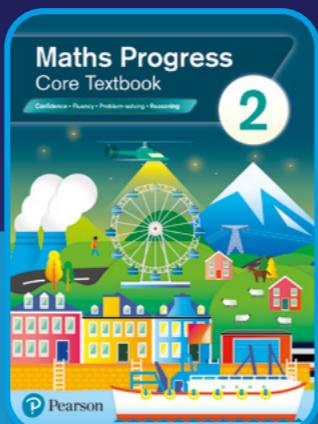
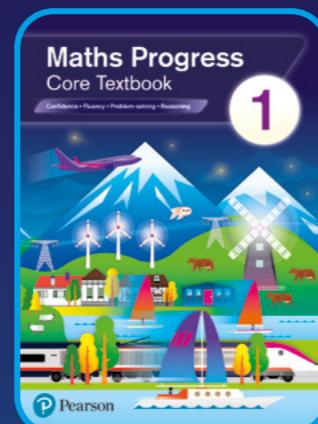
In areas where they have yet to develop a solid understanding and/or they do not feel confident, they can choose to **strengthen** their learning:

In areas where they performed well in the assessment and also feel confident, they can choose to **extend** their learning.

**Flexibility to create the course that works best for you, and all of your students.**

**Core Textbooks** follow a single, well-paced curriculum with built-in differentiation, fluency, problem-solving and reasoning so you can use them with your whole cohort.

**Support and Depth** to be used in addition to Core when needed for extra scaffolding and support or to extend students' understanding of key concepts.



**Support Books**  
– strengthening skills and knowledge



**Depth Books**  
– extending skills and knowledge

**Core textbooks** – for your whole cohort



# What next?

If you like what you've seen, visit  
**[pearsonschools.co.uk/mathsp进步](https://www.pearsonschools.co.uk/mathsp进步)** to:

- sign up for a 30-day free trial
- let us know you'd like to chat with us about the course
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