

Course Mapping Guide

Post-16 Mathematics

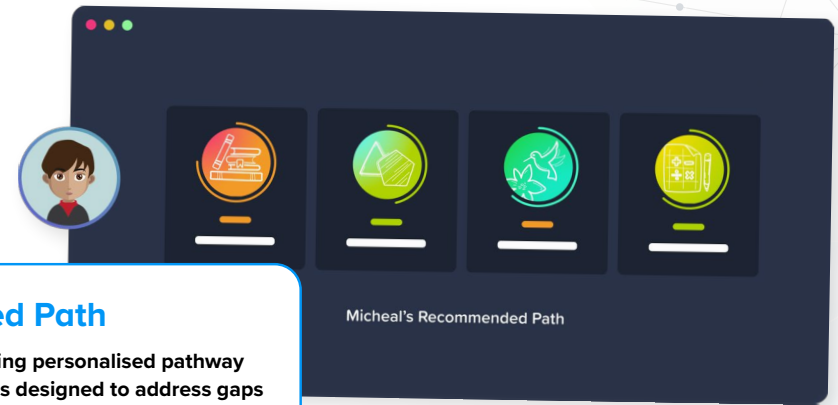
About CENTURY

CENTURY is a learning platform that uses artificial intelligence to personalise learning for every learner. Our team of experienced teachers have created all of our content for English, maths, science, geography and physical education from years 2 to 11, as well as functional skills content for post-16 learners. All courses are aligned to the national curriculum and national standards.

- ✓ Learning materials and questions for primary, secondary and post-16 learners
- ✓ Tailored to each learner's skills and knowledge
- ✓ Powered by the world's leading adaptive learning platform
- ✓ Web-based learning for tablets, laptops and desktops



How does CENTURY work?



Diagnostics

Learners begin by completing diagnostics that quickly identify knowledge gaps and misconceptions, and help CENTURY recommend the best learning materials for each individual learner.

Recommended Path

This constantly adapting personalised pathway contains micro-lessons designed to address gaps in knowledge, provide stretch and challenge and promote long-term memory retention.

Leadership Dashboard

Senior and middle leaders get an overview of performance and engagement on a subject, class and learner level.

Achievements

Learners get rewarded with badges and streaks for completing micro-lessons or for using CENTURY over a certain period of time to increase their motivation and engagement.

Automated Marking

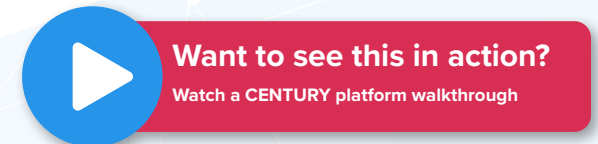
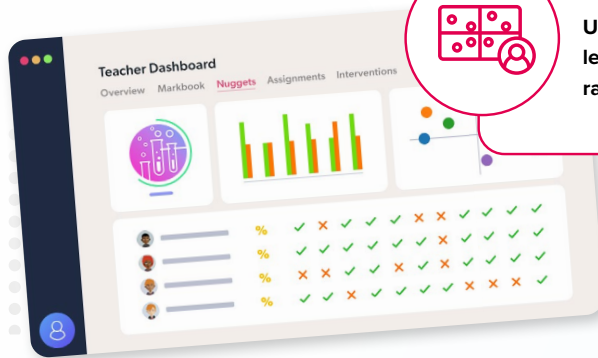
Teachers can view data in real time, to help quickly identify which learners require additional support or further stretch.

Teacher Dashboard

Use the markbook to monitor individual learners and whole-class trends with a range of dashboards.

Learner Dashboard & Guardian Portal

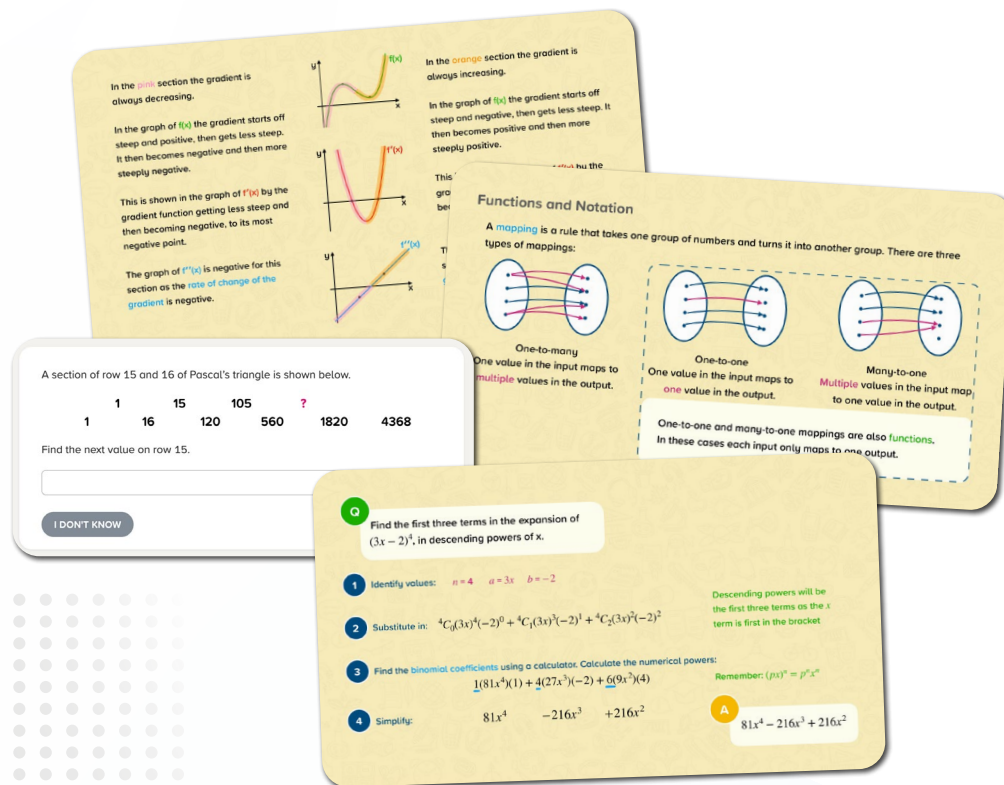
Learners can identify their strengths and areas for improvement. Parents and guardians can monitor their learner's progress, completed work, and see work set.



Mathematics Courses

Advanced Maths

These courses have been created by our team of experienced secondary mathematics teachers to support students taking advanced maths qualifications.



Advanced Maths: Differentiation



Advanced Maths: Functions



Advanced Maths: Binomial Expansion

Mathematics Courses

GCSE Post-16

Our GCSE Post-16 courses are adapted from our secondary courses, with adult learners in mind. The courses have diagnostics which are designed to quickly identify a learner's strengths and weaknesses.

Mathematics GCSE Post-16 Courses suitable for all GCSE specifications:

Edexcel: 1MA1 (QAN: 601/4700/3)

AQA: 8300 (QAN: 601/4608/4)

OCR: J560 (QAN: 601/4606/0)

Eduqas: C300P (QAN: 601/5503/6)



Mathematics GCSE Post-16 (F)



Mathematics GCSE Post-16 (H)



Number & Measure Level 1: Edexcel

Specification: ANM10



Number & Measure Level 2: Edexcel

Specification: ANM20

You can find a quarter of an object, like a shape.
These shapes all have one quarter coloured in:

You can also find a quarter of a group of objects.

Steph's windowsill is 70cm wide.
She places flowers in plant pots onto the windowsill.

Each plant pot is 10 cm wide.
How many plant pots can Steph fit on the windowsill?

Total Area = 1 + 2 + 3
= 10 + 48
= 82cm

I DON'T KNOW SUBMIT ANSWER

[Download course content](#)

Mathematics Courses

GCSE WJEC Post-16

These courses cover the WJEC GCSE Maths Foundation specification with a 'quickstart' diagnostic to start off recommendations, and focussed diagnostics on foundation/intermediate cross over topics and intermediate/higher cross over topics.



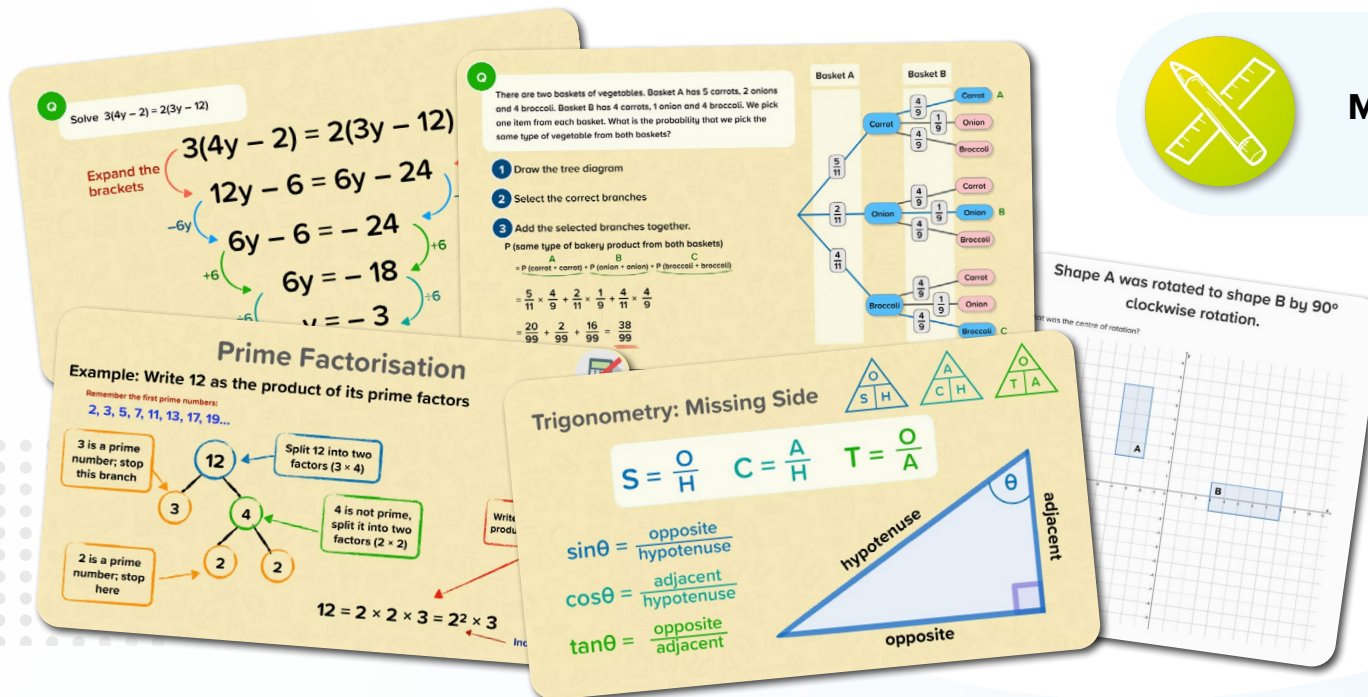
Mathematics GCSE: WJEC (F)



Mathematics GCSE: WJEC (I)



Mathematics GCSE: WJEC (H)

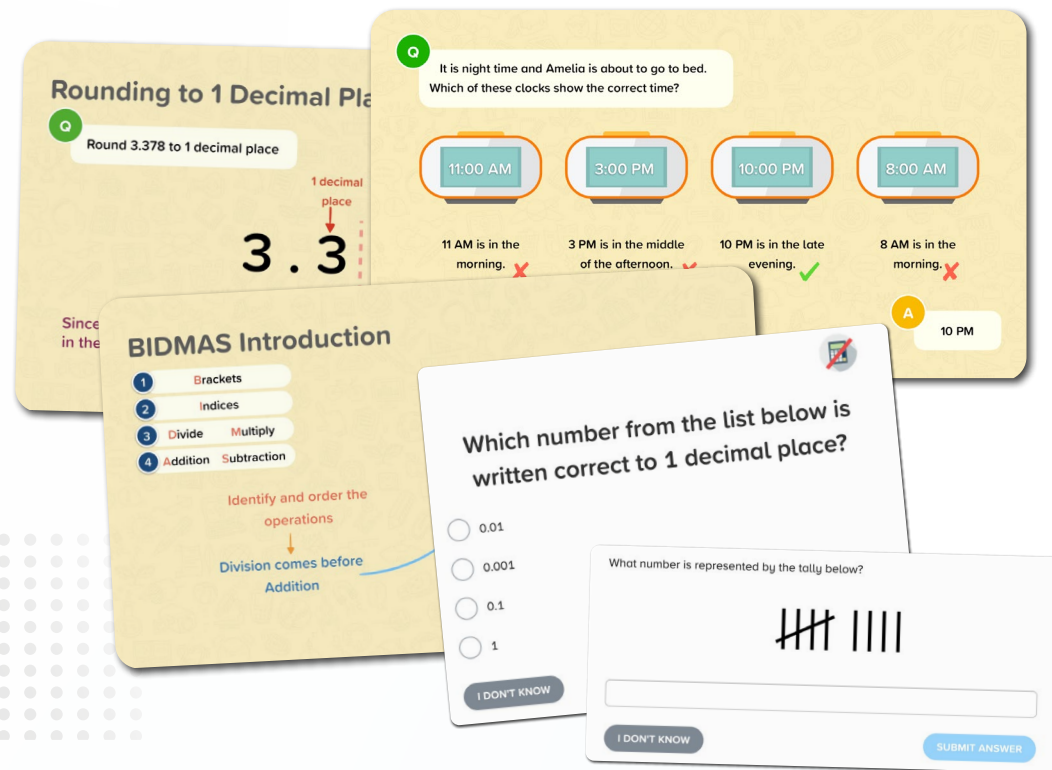


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Mathematics Courses

Functional Skills

Our functional skills courses cover the knowledge and skills required for the functional skills qualifications, mapped to the national requirements outlined by the DfE.



**Mathematics Functional Skills
(Entry 1)**



**Mathematics Functional Skills
(Entry 2)**



**Mathematics Functional Skills
(Entry 3)**



**Mathematics Functional Skills
(Level 1)**



**Mathematics Functional Skills
(Level 2)**

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Mathematics Courses

Financial Maths

This course covers skills relating to financial maths; including underlying mathematical skills as well as understanding of everyday finance and financial products.



Financial Maths

Here is a part of a debit card statement.

BANKKEYS
Current Account Statement
Account number: 019832723478
Sort Code: 40-00-15

Date	Description	£ Out	£ In
19th Oct	Barista Coffee - Salary	£125.00	
19th Oct	Best Gym	£34.50	
20th Oct	PizzaPalace	£19.95	
21st Oct	Big Bank - Cash Deposit		£50.00
22nd Oct	Denim Direct	£65.99	

How much money was paid into the account?
£ _____

Lords FlexSuper
✓ £2.50 a month
✓ Free European travel insurance
✓ Free roadside breakdown cover

Lords FlexPremier
✓ £4 a month
✓ 2% cashback on utility bills
✓ 1% cashback on mobile bills and gym memberships

Some current accounts may have a monthly fee, but come with benefits which may include things like:

- Breakdown cover
- Travel insurance
- Cashback

There may be a requirement on these accounts to pay a minimum amount in to it every month.

calculated every month
the changes in prices
services. Prices are
ess areas in the UK,
regional differences

ded are known as
oods. It is designed
things people
around 700
n the basket, under
ood, clothing,
household utilities.

Inflation Measures:
Consumer Price Index (CPI)
Retail Price Index (RPI)

The basket of goods is regularly updated.
Recently taken from...

Bryn wants to change some pounds to euros for his holiday to Italy. He has £300 to exchange.

EUROS ARE US!

Amount to exchange	Rate
£1 - £99.99	1.1598
£100 - £499.99	1.1619
£500 - £10,000	1.1623

How many euros will he get?
You do not need to include units in your answer.

Budgeting
Budgeting can help with managing your money. Every month there are essential things to spend money on, these are usually:

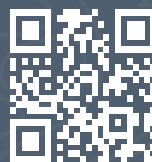
- Rent or mortgage
- Bills (gas, electricity and water)
- Council Tax
- Internet and television
- Car or travel expenses
- Food

Any left over money is called your disposable income.

Electricity Co.
Name and address: Dr. Kate Jones, 12 Woodford Drive, Somersby, SB3 8PY
Account No.: 1234567890, Bill Ref: EB3-2024
Statement Date 13th April, Bill Period: 12/03/24 - 12/04/24
Your Electricity Statement
Account Balance: £35.23 CR
Electricity Costs: £87.05, Inc. VAT at 5%

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Questions?
Email support@century.tech



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