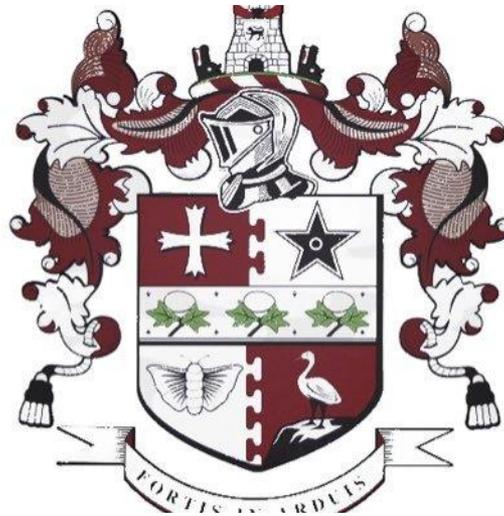# Key Stage 4 Mathematics

Key changes to the Maths curriculum

GCSE Maths has changed and is more demanding for everyone.

There is more content to teach with **harder topics being introduced**.

There is a **greater emphasis on problem-solving and mathematical reasoning**, with more marks in the GCSE exams being allocated to these higher-order skills.

The **total examination time has increased.** Students now sit 3 exams which are all taken at the end of the course. 1 non- calculator paper and 2 calculator papers – all 1 hour and 30 mins.

Students have to **memorise formulae**.

There is a **new grade structure from 9 to 1**.

Grades

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

Foundation tier

Higher tier

Overlap
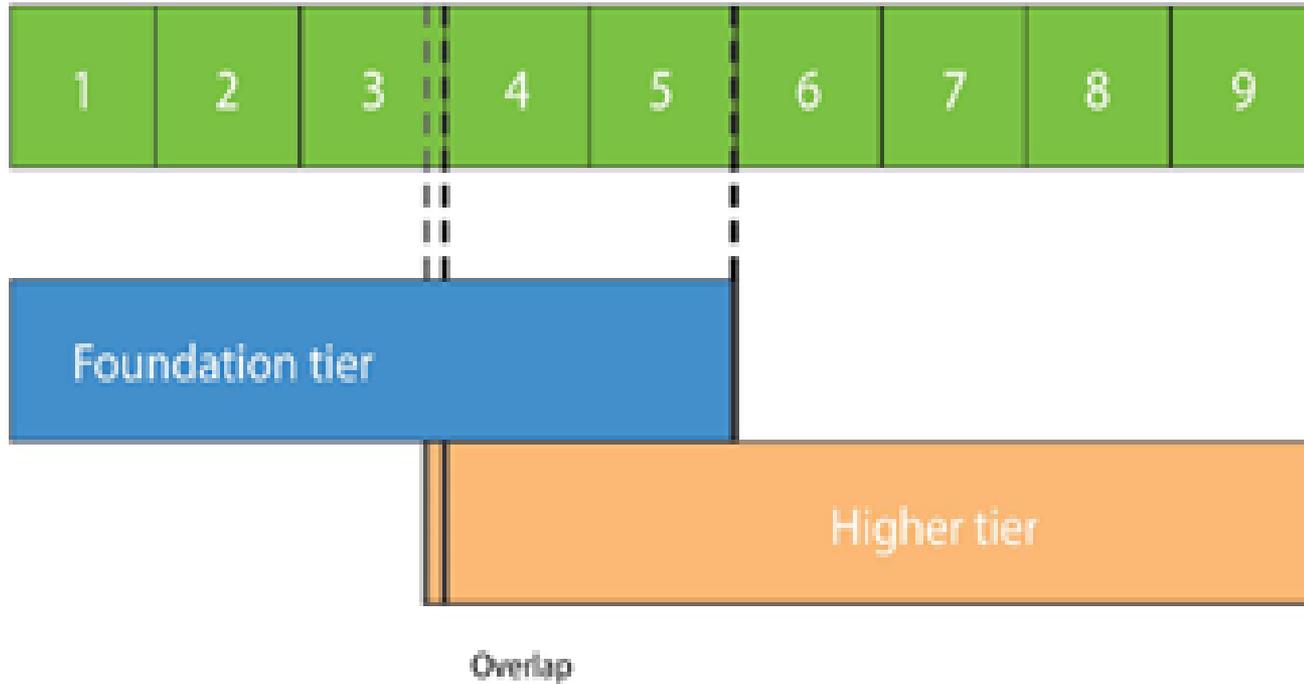
How to support your child with their Maths GCSE
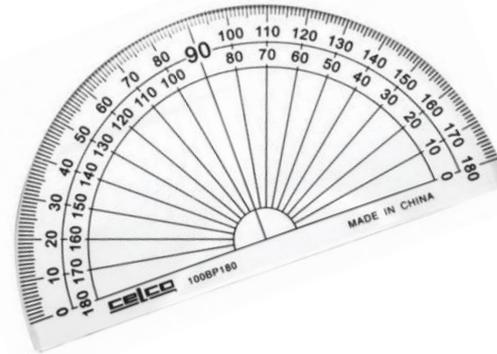
It's a
Marathon
not
a Sprint.

Be positive about maths!

"I can't do maths"

"I was never any good at maths at school"

" It's all changed since I was at school"

Equipment – Make sure your child is prepared for every maths lesson

Formulae – they need to know all the formulae off by heart

Basic number work – make sure they know:

Multiplication Square

Times tables
Odd and even numbers
Square and cube numbers

Talk about the maths around you

Tim and three friends go on holiday together for a week.

The 4 friends will share the costs of the holiday equally.

Here are the costs of the holiday.

> £1280 for 4 return plane tickets
> £640 for the villa
> £220 for hire of a car for the week

Work out how much Tim has to pay for his share of the costs.

The table gives information about the prices of cinema tickets.

Cinema ticket	Price
adult ticket	£7.80
child ticket	£5.80
family ticket (for 4 people)	£24.30

Mr Edwards and his 3 children go to the cinema.

It is cheaper for Mr Edwards to buy 1 family ticket rather than 4 separate tickets.

(*a*) How much cheaper?

Here is a list of ingredients for making 16 flapjacks.

Ingredients for 16 flapjacks

> 120 g butter
> 140 g brown sugar
> 250 g oats
> 2 tablespoons syrup

Jenny wants to make 24 flapjacks.

Work out how much of each of the ingredients she needs.

Fahima buys

> 2 packets of bread rolls costing £1.50 for each packet
> 1 bottle of ketchup costing £1.60
> 3 packets of sausages

Fahima pays with a £10 note.
She gets 30p change.

Fahima works out that one packet of sausages costs £2.30.

Is Fahima right?

Homework – Set on Mondays and Thursdays

- 1 written piece per week:

SKILLS CHECK

- 1 MathsWatch piece per week

MathsWatch

https://vle.mathswatch.co.uk

MathsWatch – For homework and for general revision

https://vle.mathswatch.co.uk

MathsWatch

https://vle.mathswatch.co.uk

Other useful websites

www.corbettmaths.com

Other useful websites

Other useful websites

- GCSE Bitesize – Maths

- www.mathsmadeeasy.co.uk
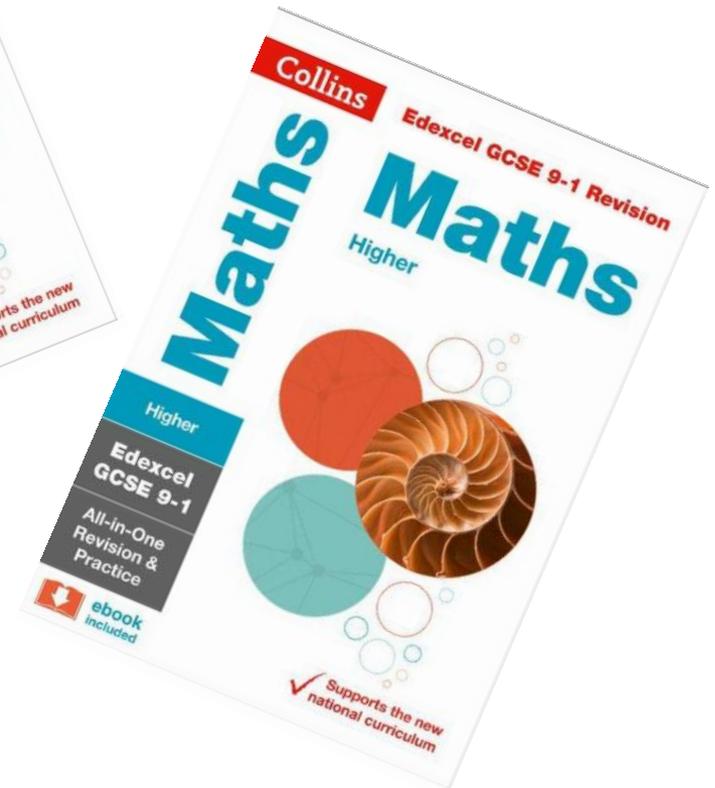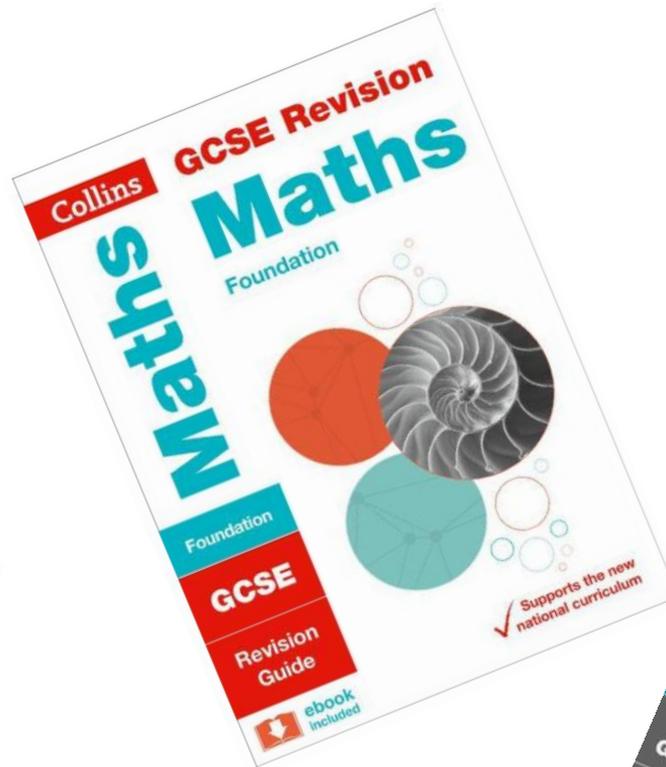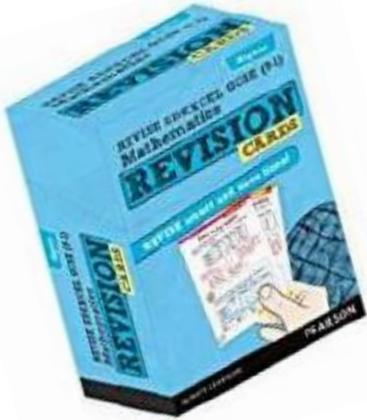
- www.mrbartonmaths.com/students/gcse/

Key Dates

Year 10 exams:

- Week beginning 21st January 2019

- Week beginning 13th May 2019

Revision books/cards to buy/order
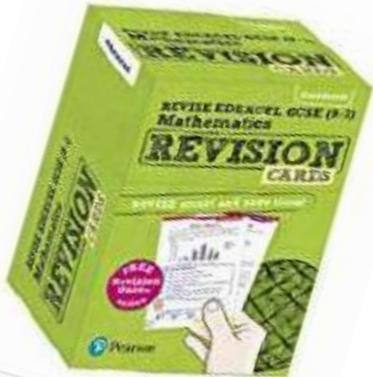
Old textbooks

Questions…

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