

Subject: MATHS (Edexcel)

Subject Leader: Mrs Birleson

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CNS 6th Form



This course covers the following key topics:

Pure

Algebra, coordinate geometry, trigonometry, calculus and vectors.

Statistics

Data analysis and representation, probability, hypothesis testing and statistical distributions.

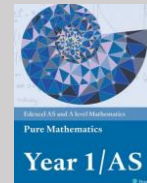
Mechanics

Forces, Newton's laws, kinematics, variable acceleration, and dynamics.

Recommended

Textbooks: For y12

Pure 1



Application



We love teaching this course because

"My favourite area of Maths is calculus, studying it makes you realise that every key part of our society relies on Maths. Engineering, finance medicine all need advanced Mathematics.

I also really enjoy teaching the applied modules too. Without Statistics we would not be able to analyse the significance of scientific research and be able to draw conclusions to our discoveries.

I particularly enjoy teaching at CNS there is a friendly academic attitude from the students I have not found at other schools. Our students are incredibly hard working, as such our staff go above and beyond for them."

Mrs Birleson KS5 Coordinator of Maths

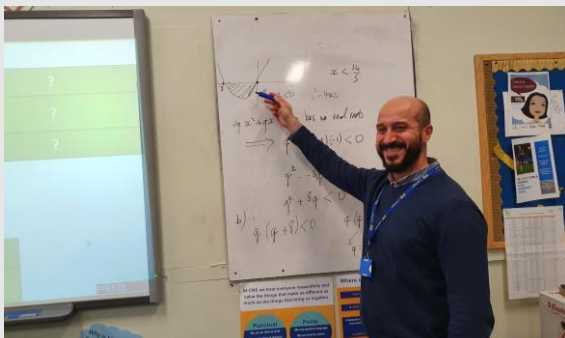
Our students say:

"Maths gives you the chance to solve lots of everyday problems and apply logic to ideas that I would have struggled with without it, and it's always nice to have a definite answer to any question you're given."

Josh y12

If you love Maths we really recommend you:

- 1) read Alex's Adventures in Numberland by Alex Belos
- 2) watch Vi Hart's videos on YouTube
- 3) listen to Ada Lovelace podcast by The History Chicks



What future pathways are open to me if I study Maths?

Maths is required by universities and careers in the following fields.

Physics, Engineering, Astronomy, Medicine, Economics, Finance, Maths and many more.