



Church of England School
Executive Head and CEO: Dr Hilary Macaulay

20th October 2022

Dear Parent/Carer,

KS5 Maths Conference

We are planning a trip to a GCE Maths Conference on Friday 18th November 2022.

I am happy for students to meet at the venue, travelling independently. The venue is the Emmanuel Centre, London, 9 - 23 Marsham Street, London, SW1P 3DW. Students should arrive at the venue no later than 10.30am for a 10.45am start. The conference is due to finish at 3.45pm, when students can independently make their way home.

The trip will be a valuable enrichment opportunity – especially for students looking to broaden their understanding of Maths in the real world and demonstrate a real passion for wider learning on any future Personal Statements or applications.

The information following this letter tells you more about the speakers and their topics. There will also be a session on exam success to give students the tools they need to succeed at A Level.

The cost of the day is £22.50 for the conference.

Students on 16 – 19 Bursary or Free School Meals can have their tickets covered by the school, please email holmes@bishopramsey.school should your child be eligible.

Payment should be made via ParentPay, selecting '**Year 13 Maths Conference – 2022/23**'. Payment should be received by Wednesday 2nd November. There is a limit of 15 places so it will be on a first come first serve basis. Unfortunately, we are unable to accept payments after this date. Should maximum numbers be reached before 2nd November, ParentPay will close for this time.

Should you have any queries regarding payment, please contact Mrs Hagon at parentpay@bishopramsey.school

Please note that upon making your payment you are agreeing to the following terms and conditions associated with this trip:

Your permission is granted for your child:

- To attend the trip
- To be given a mild painkiller (eg. Paracetamol) if considered necessary by the party leader.
- To received medical treatment in an emergency situation if as parent/carer you cannot be contacted.

Address: Hume Way, Ruislip, Middlesex, HA4 8EE ∞ **Telephone:** 01895 639227
Email: office@bishopramsey.school ∞ **Website:** www.bishopramseyschool.org

You confirm:

- That your child's medical details are correct on Arbor and will inform us of any changes to these details between now and the trip
- That you understand that if your child's behaviour in school is not acceptable then they may be withdrawn from the trip and any monies paid to date will not be refunded.

Students should bring with them any required medication; asthma inhalers, epipens, etc. Mobile phones and any other items of value can be taken but students do so at their own risk.

A reminder that all students who travel as part of a group represent Bishop Ramsey School, therefore the highest standards of behaviour and conduct are expected as a matter of course.

I do hope that your child will be able to join the conference. Students will need to bring a packed lunch or be prepared to buy something on site.

Yours sincerely,

Mrs L Holmes
2nd in Maths and KS5 Co-ordinator
lhomes@bishopramsey.school

Mathematical Stories [Katie Steckles, Mathematician and Communicator](#)



It's easy to forget that the mathematical ideas and techniques we study were developed by real people. Katie Steckles tells some stories about mathematicians, and how they're connected through mathematics.

Fighting Disease with Mathematics [Sara Jabbari, University of Birmingham](#)



Sara will describe the way mathematics can be used to understand antibiotic resistance, track the dynamics of bacterial infections and even develop new drugs to tackle disease.

Over-analysing Video Games [Matthew Scroggs, University of Cambridge](#)



Matt will apply some mathematical thinking to Pac-Man and other video games. We will work out the shortest possible route to complete a Pac-Man level, and discover the 2-, 3- and 4-dimensional shapes that video game characters live on.

How to get rich quick [Sophie Maclean, Mathematician and Communicator](#)



Being able to determine the future is a great way to get money. From fairground games to the stock market, knowing what will happen is a great advantage. But even if we don't know for certain, statistics and probability can help us make valuable predictions. In this session, Sophie gives an introduction to the world of finance and shares some of the Maths she used working as a trader.

Staring into Space [Nicole Cozens, Maths Educator](#)



How big is the Earth? How far away is the furthest space craft? How many aliens are there? We will look at questions that people have asked about Space, and mathematical solutions (not all right!) that people have created.