

The Further Mathematics Support Programme

# Dating, Magic & Chocolate

Queen Mary University of London, Mile End Campus.

Wednesday 27th June 2018, 9:30am – 3:30pm

**A FREE enrichment day aimed at Year 10 students who should consider continuing with Mathematics post-16.**

**The day will include the following sessions:**

## **Mathematical Magic - Queen Mary University Student Ambassadors**

All magic is based on doing something that seems impossible but can actually be done by following certain steps. Topics: reverse engineering a magic trick, counting-based card tricks, learning a maths card trick. This session will give students the chance to apply and develop their mathematical thinking skills to reverse-engineer magic tricks

## **Dating, Deceiving and Defence Strategy, it's just a game - Sue de Pomerai**

Can Maths help us find the answers to life's big questions - Does it pay to be nice? How do we prevent another world war? How do I pick my perfect life partner? and Is there a winning strategy for rock, paper, scissors?

## **The Maths of Chocolate Fountains - Adam Townsend**

Delicious, obviously, but would you believe they're full of maths? Featuring a \*live chocolate fountain\* (and stuff to dip in it), we find out how to make predictions for chocolatey flows, and then work out (a) whether we can use other types of chocolate, (b) whether we could make a pioneering ketchup fountain, and (c) why chocolate fountains fall inwards, not directly downwards.

## **Previous students have said:**

*"It was the most fun workshop that I have done"*

*"The content was interesting, interactive and detailed"*

*"I learnt a lot about options with mathematics"*

*"I found it very interesting. I learnt that maths is more than just numbers"*

*"It was very informative and comical"*

*"The speakers were very positive and interesting to speak to"*



The day will also include a tour of the Queen Mary (University of London) Mile End campus by current students.

### **Booking information**

Places are FREE but must be requested via the link below. There are a limited number of places available. Priority will be given to state funded London schools who didn't attend similar events in April, places for other schools will be allocated (where possible) closer to the event. Schools will be allocated 10 student places for year 10 students only; students MUST be accompanied by a teacher for the entire day.

When submitting your request for places you will be asked for the name and email address of the senior leader who has authorised this trip to confirm that permission has been given for the trip and that this has been added to the school calendar.

The day is free of charge, and so we are unable to provide lunch for students who will need to bring a packed lunch, and water for the day. A light lunch will be provided for teachers.

Places will be offered on a strict 'first come first served' basis; to book please go to <https://goo.gl/forms/m7vRFx9bcxMSruOj2>.

### **Further information**

For More information please contact James Morris: [jamesmorris@furthermaths.org.uk](mailto:jamesmorris@furthermaths.org.uk)