

The Further Mathematics Support Programme

# Year 10 Enrichment: A Day of Maths

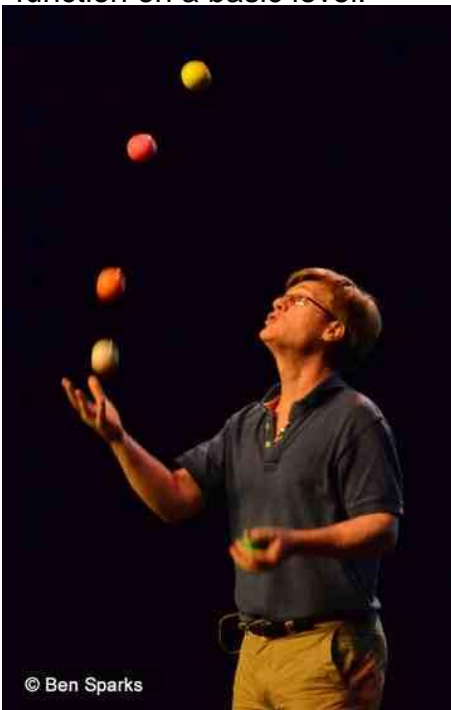
Queen Mary University of London, Mile End Campus.

Tuesday 4<sup>th</sup> July 2017, 10am – 3:30pm

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

## **Katie Steckles – The Domino Computer**

Modern computers use only two digits in a binary number system. In this session, students will build a basic computer only out of dominoes! This session will give students a chance to think about how to build logic circuits, and learn how computers function on a basic level.



## **Colin Wright – Juggling: Theory & Practice**

Ever popular, this talk demonstrates some basic patterns in juggling, and then starts to look at them in detail. As we go we discover things impossible to see from just a casual encounter, and find that there are ways of juggling that were only discovered as recently as the 1980s.



## **Matt Parker - Paper Folding and Problem Solving (Flexagons)**

A simple piece of paper can be folded to build complex shapes and amazing structures, and provides a mental challenge which uses mathematical and spatial thinking skills. In this session you will build an intriguing paper toy which flexes to show hidden faces

The day will also include a tour of the Queen Mary (University of London) Mile End Campus by current students, and a Q & A session with the presenters at the end of the day.

### **Booking information**

Places are FREE but must be requested via the link below. Priority will be given to state funded schools, places for Independent schools will not be allocated until after May half term.

Schools will be allocated 9 student places for year 10 students only; students MUST be accompanied by a teacher for the entire day. Due to the popularity of the FMSP enrichment events, schools will not be able to attend both the enrichment events at Queen Mary University (3<sup>rd</sup> & 4<sup>th</sup> July).

The day is free of charge, and so **students 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/vVgPi1dWU0YTLJy2>

Places and dates will be confirmed within two weeks of receiving your booking.

### **Further information**

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