



Mathematics Enrichment Day For Years 10 & 11

The Advanced Maths Support Programme (formerly the FMSP) and the University of Wolverhampton are hosting a FREE Mathematics Enrichment Day aimed specifically at KS4 students.

On the day students will have the opportunity to get involved with three hands on workshops and a closing lecture from our fantastic keynote speaker Avril Steele on **Chance**.

Mathematics Enrichment Day

9.30am – 15.45pm

When and Where:

Thursday 5th July 2018, University of Wolverhampton, City Campus, **Wolverhampton**

OR

Friday 6th July 2018, University of Wolverhampton, Walsall Campus, **Walsall**

Cost: FREE

Please note, both days have the same content so there is no need to attend both, just pick whichever is more convenient for you.

Booking details are found overleaf.

Please note that to allow as many schools as possible to attend we are limiting spaces to 15 students per school.

For enquiries regarding booking please contact Rob Watson

(rob.watson@mei.org.uk or robwatson@furthermaths.org.uk).

For all other enquires please contact Liz Price (liz.price@wlv.ac.uk).



To book please complete this google form

<https://docs.google.com/forms/d/e/1FAIpQLSelhCo-YbPxh8qzJwnUE5vrll0UjvezPXEggcbZy-XcM4wRJQ/viewform>.

Please note there is a refundable despite of £100 made payable to “MEI”.

Please send this deposit to:

Rob Watson, KS4 Enrichment, MEI Office, Monckton House, Epsom Centre, White Horse Business Park, Trowbridge, Wiltshire, BA14 0XG.

Please ensure that cheques are made payable to “MEI”.

Cheques will be returned to schools/colleges that attend, after the event. However, where schools/colleges do not attend or insufficient notice of non-attendance has not been received prior to the event, MEI reserves the right to retain some or all of the deposit.

Also to allow as many schools to attend as possible we are limiting spaces to **15 students per school**.



What's The Chance?



In this talk there'll be a chance to see how understanding probability can give us an insight into what's really going on in our lives.

From the music we listen to, to the way we drive to work, to the lifestyle choices we make; with some surprising results along the way.

There'll be some interesting questions too. How random is your random selection? And when is turning right not right?



This lecture will be delivered by Avril Steele

Avril Steele is a Central Coordinator with the FMSP based in Somerset.

She has worked in engineering and business and has been a university lecturer and a school teacher.

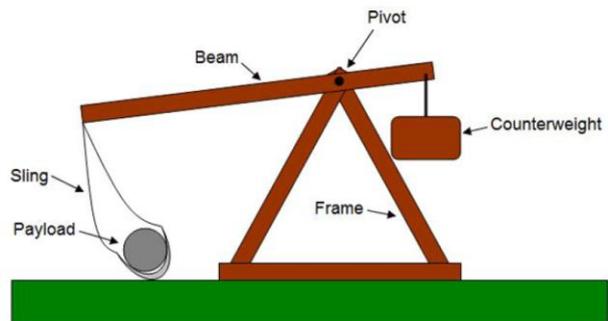
She now spends time getting excited about maths of all kinds and sharing this with schools and teachers.



Workshop Topics

Sieengineering

Sieengineering covers the principles of Design and Build, with students working in small groups to build a working Trebuchet. We will look at the mechanics of propulsion, angles and testing protocols to predict whether a missile will hit the target and where it will hit. Each group will be expected to record and chart the results of their testing in order to make predictions, as well as devising a to power the Trebuchet so that changes in power can be calibrated.



The Dragon Quiz

An exciting team quiz, where every correct answer is rewarded with a section of the dragon. The aim is to construct the longest dragon possible.

There will be prizes for the best team in each session.



Eric The Sheep

Meet Eric the very naughty sheep who does not like waiting in queues. We will investigate how many ways he can jump position to be at the front of a queue and look at other ways he can misbehave.

