



Advanced Mathematics
Support Programme®



Year 10 Enrichment for Grade 6/7 aspiring students (am)

London

18th December 2018

Overview

An enrichment morning of (mostly) female speakers to promote the study of Level 3 Mathematics. A great opportunity to promote maths to girls aspiring for Grade 6/7 in maths, but all genders are welcome.

This event is now full, but to add your name to the reserve list for 20 students & 2 staff places, please email James Morris (james.morris@amsp.org.uk) with evidence that the enrichment trip has been authorised by a member of SLT.

Aims

- Encourage GCSE Grade 6/7 students to consider taking post-16 maths
- Support students to make an informed choice about Level 3 Maths
- Encourage girls to consider taking maths beyond GCSE (Core Maths, A level Maths & Further Maths)

Content

Sessions include:

Aoife Hunt – The Movement of Crowds

How many people can you fit into a football stadium or a music festival? How quickly are they all going to be able to get out? These are important questions for event organisers, and mathematicians can help to answer them. In this talk, Aoife Hunt shows how professional consultants use GCSE and AS Level maths to understand the movement of crowds – whether at Wembley Stadium, Glastonbury or Heathrow Airport. Discover the unlikely connection between crowd flow and quadratic equations, and how computer games are being built to predict what you will do in an emergency.

Sue de Pomerai – Ada Lovelace

Who was Ada Lovelace and what contribution did she make to the mathematics we use today? In this session we will find out a bit about Ada's life and time, her work with Babbage and her amazing and unconscious contribution to the 21st Century.

Approximate timetable for the day or course dates (to be confirmed nearer date):

09:00 Registration
09:30 Welcome, Maths Post 16 & in HE
10:15 Aoife Hunt – The Movement of Crowds
11:00 Break
11:10 Sue de Pomerai – Ada Lovelace
11:55 Evaluations
12:15 Finish

Other Information

The proportion of girls in post-16 maths is significantly lower than that of boys. One of the AMSP's key goals is to change that, ensuring that [all genders have equal access to Level 3 maths](#).

Cost

Due to the way the AMSP is funded, this enrichment event is **free** to state funded schools and colleges.

Islington, Barking & Dagenham boroughs have been identified as [Areas of Low Participation](#) by the DfE. Schools in these areas can request up to £100 towards travel or cover costs to facilitate attendance. If you intend to do this, please include this in your email to James.

Key Facts

Event ref:	#5158
Audience:	Students
Target year:	Year 10
Curriculum focus:	11-16 maths
Event format:	Enrichment
Event length:	3 hours
Region:	London and South East
Venue:	Queen Mary University of London, Mile End Campus, E1 4NS
Date:	Tue 18th Dec 2018
Course times:	09:00 - 12:15
Fee:	Free
Priority Area subsidy:	£100

Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/5158>