

The Further Mathematics Support Programme

Introduction to Statistics

A one day course covering the key topics of the new Mathematics A levels (from 2017)

**Langley Grammar School, Reddington Drive, Langley, SL3 7QS
09:30 to 15:45, Wednesday 12th July 2017**



Feedback from previous courses:

“A great informative and useful day.”

“I loved the teaching ideas that were shown – they were very interesting and inspiring.”

“Really engaging – excellent pace.”

“Exactly what was needed.”

“Thank you for a lovely INSET. It has been very useful in brushing up my knowledge.”

This course is an introduction to statistics at A level and no prior knowledge beyond GCSE is required.

Note that this course will cover some topics common to current S1/S2 specifications and will therefore also be relevant for teachers of these modules.

Course Leaders:

Cath Moore, FMSP Central Coordinator

Jeff Trim, FMSP Area Coordinator

Course aims:

- To strengthen teachers' understanding of the statistics topics in the new A level specifications
- To demonstrate teaching ideas and resources including uses of ICT
- To provide a basis of understanding of Probability, Large Data Sets, Statistical Distributions and Hypothesis Testing for teachers to build upon

Provisional Programme

(exact timings and content may vary)

09:00 Registration (Tea/coffee available)

09:30 **Large Data Sets and Sampling**

11:00 Break for Refreshments

11.20 **Conditional Probability**

12:35 Lunch

13:20 **Significance and Hypothesis Testing with the Binomial Distribution**

14:20 Break for refreshments

14:30 **The Normal Distribution**

15:30 **Next Steps**

15:45 Depart

How will the resources be presented?

The course will be delivered using visual presentation, interactive work and practical demonstration. Key course materials will be made available to delegates electronically.

Course fee and application

Online Booking Form: <http://tinyurl.com/Stats-LGS-July2017>

Course Fee: £50 for teachers from schools and colleges that are registered with the FMSP. (Registration is free. To register visit: www.furthermaths.org.uk/register .)

Payments: Cheques should be made payable to *Little Heath School* and addressed to:
Dawn Guster, FMSP Administration & Bookings, Finance Office,
Little Heath School, Little Heath Road, Tilehurst, Reading, RG31 5TY

Payment can also be made by BACS transfer. Telephone Dawn Guster (0118 9427337) for details.

PGCE or GTP trainees may attend this course *free of charge* if they are accompanied by at least one paying teacher from the same school/college. Enquire by email to the address below for further details of how to take up this special offer.

Closing date for applications: Friday 30th June 2017.

For more information about this course or help with specific queries email:

jefftrim@furthermaths.org.uk