

The Further Mathematics Support Programme

Using technology in the 2017 Statistics classroom

High School for Girls, Denmark Road, Gloucester GL1 3JN

31st October 2017



- To support teachers in using technology to enhance their teaching of the Statistics element of A level Mathematics from September 2017.
- To enable teachers to see how technology can enrich student experience, create a work-ready approach to analysing data and illuminate new and familiar topics
- To consider how to balance the need for technology to enhance learning with the need to support students in using technology for assessment.

Programme:

9.30 Introduction: Technology in the new A level

9.45 Large Data Sets: Introduction; how technology can be used to gain familiarity and teach statistical concepts

10.45 Break

11.00 Practical Activities using the large data sets with GeoGebra and spreadsheets*

12.00 Spreadsheet Simulations.

12.30 Using the GeoGebra Probability Calculator in teaching statistics

1.00 Lunch

1.45 Using the graphing and enhanced scientific calculators in statistics

3.00 Comfort Break

3.10 Sample assessment questions; how the use of technology impacts upon assessment

3.45 Plenary; next steps

4.00 Close.

* Note the *Practical Activities using the large data sets with GeoGebra and spreadsheets* session also featured in the FMSP Course *Use of technology in the 2017 Maths & Further Maths A levels* at Winterbourne International Academy in June 2017



Course fees and application:

Fees for this course/event are £50 for teachers from Schools currently registered with the FMSP. (£100 for teachers from schools not currently registered. Registration is free www.furthermaths.org.uk/register)

Please bring a laptop/tablet that has [Geogebra](#) and a spreadsheet installed. The datasets can be downloaded at <http://bit.ly/FMSPLDS>.

To apply, please complete the online form at: <https://goo.gl/forms/4v9QdSGIz2SXdHs52>

For more information please contact Patrick Cobb, patcobb@furthermaths.org.uk