

The Further Mathematics Support Programme

Using Technology in the Statistics Classroom

Blandford School

Friday 23rd March 2018



Course aims:

- 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 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.

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

Venue: Blandford School, Milldown Road, Blandford Forum, DT11 7SQ.

Course/event fees and application:

Fees for this course are £50 per teacher. To apply, please complete the online form at:

<https://goo.gl/forms/wEDvodCaOZf3cbng2>

Further information:

For more information email jodenton@furthermaths.org.uk