

## The Further Mathematics Support Programme

# Teaching Statistics in the New A level

**A one-day course to help prepare teachers who are or will be teaching statistics in A level Mathematics with minimal previous experience**

**Centre for Mathematical Sciences, University of Cambridge**

**Thursday 21<sup>st</sup> June 2018**



- Large data sets
- Sampling
- Binomial distribution
- Normal distribution
- Significance and hypothesis testing
- Use of technology

**This course is for teachers that have limited or no experience of teaching statistics at A Level but will be teaching the compulsory statistics content of the new Mathematics A Level**

### Course aims:

- To introduce the major topics within statistics at AS and A level Mathematics
- To strengthen teachers' understanding of the key topics in the new A level specifications
- To demonstrate teaching ideas and resources including the use of technology
- To consider teaching approaches which support the emphasis on interpretation over calculation

### Course fees and application:

Fees for this course are £50 for schools registered with the Further Mathematics Support Programme. Registration is free and can be completed online: <http://furthermaths.org.uk/register>  
To apply, please complete the online form at: <https://tinyurl.com/y8pmd24p>

**For more information email Kristin Coldwell [kristincoldwell@furthermaths.org.uk](mailto:kristincoldwell@furthermaths.org.uk)**

## More information

Delegates will be expected to be familiar with at least GCSE statistics content. Delegates should also bring a laptop or another device capable of running Excel and Geogebra Classic 5 or Classic 6, which should be downloaded in advance.

The course will include the following topics:

- Large data sets
- Sampling
- Binomial distribution
- Normal distribution
- Significance and hypothesis testing
- Use of technology

## Timetable for the day *(may be subject to minor adjustments):*

0900	<i>Arrival and registration</i>
0930	Introduction- What's new in statistics
1000	Binomial distribution and hypothesis testing
1110	<i>Break</i>
1130	Normal distribution
1300	<i>Lunch</i>
1345	Use of technology
1400	Familiarising yourself with the large data set (in exam board-specific groups)
1500	<i>Break</i>
1515	Using the large data set for teaching and assessment (in exam board-specific groups)
1615	Next Steps
1630	<i>Close</i>

**Venue:** Centre for Mathematical Sciences, University of Cambridge, Wilberforce Road, CB3 0WA

Further information about the venue and travel options can be found here:

<http://www.cms.cam.ac.uk/visiting/>

Please note parking on site is very limited and must be arranged in advance of visiting.

## Further information

More details about this course/event can be found at:

[http://furthermaths.org.uk/EE\\_CPD](http://furthermaths.org.uk/EE_CPD)

For more information email: [kristincoldwell@furthermaths.org.uk](mailto:kristincoldwell@furthermaths.org.uk)