

The Further Mathematics Support Programme

# Use of GeoGebra in GCSE and A level Mathematics

This one day course is split into a morning session, suitable for beginners, and an afternoon session exploring more advanced features.

**Teachers are welcome to attend either or both sessions.**

**Venue: School of Computing and Mathematics, Keele University, ST5 5BG**

**Date: Tuesday 19<sup>th</sup> June 2018**



**Morning programme (0930-1230):**

- Introduction to using GeoGebra
- How to create basic files for teaching
- Student tasks for using GeoGebra

**Afternoon programme (1330-1600):**

- Advanced use of GeoGebra: 2<sup>nd</sup> Graphics view, 3D, spreadsheets
- Using GeoGebra for statistics (including the *large data set*)
- Integrating GeoGebra into your scheme of work

## Aims

- To improve your skills in using GeoGebra in the teaching and learning of GCSE/A level Maths.
- To explore activities for student use of GeoGebra and investigating the large data set.
- To consider effective strategies for using GeoGebra in the classroom.

**For the morning session any device with GeoGebra installed on it will be suitable (laptop, tablet or smartphone). For the afternoon session you will need a laptop with GeoGebra 5 installed – this can be downloaded for free from [www.geogebra.org](http://www.geogebra.org).**

**The course is suitable for all teachers of GCSE/A level Mathematics. No previous experience of using GeoGebra is expected for the morning session. For the afternoon session it is assumed that you can use the basic graphing tools.**

**Booking form: <http://bit.ly/19June2018>**



## **Course Leader: Tom Button**

Tom Button is Student Support Leader for the Further Mathematics Support Programme and MEI's Learning Technologies Specialist.

In addition to his work for the Further Mathematics Support Programme Tom is an expert in the use of technology for the teaching and learning of mathematics and has presented a large number of professional development courses. Tom's blog, Digital technologies for learning mathematics, can be found at [digitalmathematics.blogspot.com](http://digitalmathematics.blogspot.com)

**Venue: Keele University, School of Computing and Mathematics, Colin Reeves Building, ST5 5BG**

Directions can be found at: <http://www.keele.ac.uk/aboutus/howtofindus/>

### **Course/event fees and application:**

Fees for this course/event are £25 for the morning, and £25 for the afternoon. This will include refreshments and lunch, if requested. Delegates are welcome to attend either or both parts of the day.

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**Booking form: <http://bit.ly/19June2018>**

For more information, contact Richard Stakes,

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