

The Further Mathematics Support Programme

## TechActive! for A Level Maths

**A day of professional development looking at using technology to light up the study of A Level Mathematics**

**St Edward's RC/CofE School, Dale Valley Rd, Poole BH15 3NY**

**Tuesday 11th July 2017, 09:30 – 15:45**



This one-day course is ideal for all teachers who will be teaching the A level Mathematics course from September 2017.

These completely interactive hands-on sessions are designed to share techniques, resources, and approaches for engaging all students in A level mathematics learning using a range of accessible technologies.

### Course outline:

#### Course aims:

- To support teachers in using technology to enhance their teaching of A level Mathematics from September 2017.
- To enable teachers to see how technology can enrich student experience 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.
- To showcase resources designed to transform the teaching and learning of mathematics.

### Draft programme for the day:

<b>09:30 - 10:30</b>	Register and coffee
<b>10:30 - 11:15</b>	Introductory session; basics of GeoGebra, some AS Pure Maths tasks and some interesting problems to get you started.
<b>11:15 - 11:30</b>	Coffee
<b>11:30 - 12:30</b>	Pure, Mechanics and Statistics – something new for each
<b>12:30 - 13:15</b>	Lunch
<b>13:15 - 14:15</b>	Trigonometry activities
<b>14:15 - 14:30</b>	Short break
<b>14:30 - 15:45</b>	Guided practice session, evaluation and looking ahead, close.

### Technologies which will be used on the day:

- GeoGebra <https://www.geogebra.org/>
- Desmos <https://www.desmos.com/>
- Graphic and Enhanced Scientific Calculators (e.g. Casio Classwiz 991-EX, Texas TI-30X Pro)

Participants are encouraged to bring suitable tech equipment with them. This could be a laptop, a tablet, a smartphone, a graphical calculator etc. Our aim is to try to support you in using whatever tech you bring along!

### Is this the right course for you?

- This course is aimed at teachers who will be involved in the teaching of the 2017 A Level Mathematics courses.
- Some knowledge of the mathematical content of these courses will be required but this course would be equally relevant for those new to the profession and those with experience looking to refresh their approach.
- We will demonstrate the use of GeoGebra from scratch for those who have not used it before; challenge tasks will be provided for those with experience.
- If you are particularly interested in the technology requirements for the Statistics element of the 2017 A level Maths, you may prefer our **Using technology in the 2017 Statistics classroom** course – see the FMSP website for further details.

### Course fee and application:

The fee for this course is £50.

To apply, please complete the online form at: <https://goo.gl/forms/naMhX6l24guWgWly1> by the closing date of Tue 4<sup>th</sup> July.

For more information email:

[jossibley@furthermaths.org.uk](mailto:jossibley@furthermaths.org.uk)