

The Further Mathematics Support Programme

Technology in the mathematics classroom

Wednesday 21st March 2018 9.00 – 15.30

Rochester Grammar School for Girls, Maidstone Rd, Rochester ME1 3BY



New AS and A level specifications require the use of technology to permeate the teaching of Mathematics.

We aim to provide the opportunity to explore and build confidence in the use of some of the resources that are easy to implement in the classroom and give students a rich and rewarding learning experience in their exploration of mathematical concepts.

This hands-on course is suitable for all teachers of AS and A-level mathematics. No previous knowledge of GeoGebra or graphical calculators is required.

Focus for the day:

GeoGebra – A free dynamic software package that brings together geometry, algebra, graphing functions and spreadsheet analysis in an extremely accessible format, allowing for the exploration of Mathematical concepts within the classroom.

Graphic Calculators – It is highly beneficial for pupils to be able to use the supportive functions of the graphics calculator in their examinations, with a particular focus on the AS & A level requirements. We will also explore the use of Casio's cheaper alternative, where budgets cannot stretch to the full graphics calculator.

Course aims:

- To provide teachers with an overview of these accessible technologies
- To give teachers time to explore and gain familiarity with GeoGebra and what it can do
- To give information about calculator options that satisfy the new requirements
- To help teachers to build their own expertise in the use of GeoGebra and graphics calculators
- To look at how these technologies can enhance the learning experience
- Share ideas and resources for their practical use within the classroom

Timetable:

09:00	Registration and refreshments
09:30	GeoGebra – familiarisation and practical tasks for the classroom
10:45	Refreshments
11:00	GeoGebra and large data sets
12:15	Lunch (provided)
12:45	Casio Calculator & Graphics Calculators for Statistics in the new A level
2:00	Refreshments
2:10	Casio Calculator & Graphics Calculators for Pure topics in the new A level
3:20	Closing Plenary
3:30	End

Notes: You are welcome to bring your own lap top or tablet for use in the GeoGebra sessions, although computers will be available at the venue for your use. GeoGebra is free to download and previous experience is not necessary.

Presenters:

Cath Moore, Gill Buqué and Alison Terry

Course fees and application:

Fees for this course are £50 per delegate for schools/colleges registered with FMSP

To apply, please complete the online form at: <http://bit.ly/TechRGS2018>

For further enquiries or information, please email:

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