



# GeoGebra in the GCSE Mathematics classroom

## Online

### Self-paced study

### Overview

This On Demand Professional Development course is designed to support teachers with using GeoGebra across a wide range of contexts in the Mathematics classroom. The methods are particularly applicable in the GCSE Mathematics classroom, but are designed as a toolbox of methods which can be used to illuminate a much wider range of maths.

The course comprises four 'pods', each covering an element of GeoGebra's functionality. In each pod, teachers will see short videos or walkthroughs guiding them through the methods, using examples from GCSE Mathematics study, along with practice materials, triggers for reflection and suggestions for further study. Teachers will be encouraged to interact and collaborate with others studying the same material via the online forums. An expert tutor will be monitoring the forums and will respond to queries.

The course offers total flexibility regarding when teachers can access the materials, day or night, over a period of up to one year. Teachers will be able to track their progress within the course and to see when they have completed a section or the full pod.

### Aims

- To introduce teachers to some useful elements of GeoGebra.
- To introduce transferrable skills in the use of GeoGebra in the context of GCSE Maths and to give teachers an opportunity to practise these skills.
- To provide opportunities to reflect on methods, resources and teaching ideas and to discuss these with other teachers via the course forums.

### Who will benefit from attending?

All teachers of 11-16 mathematics (except those already studying our [GeoGebra in the Maths Classroom course](#) - there is no need to apply for both).

### Content

Section	Approximate time to complete*
Introduction to the GeoGebra graphing calculator	Up to 1 hour
Creating your own files for classroom use	Up to 1 hour
Spreadsheets and using GeoGebra for statistics	Up to 1 hour
Advanced tools in GeoGebra	Up to 1 hour

\*Timings are approximate and suggest the required time for a topic to be counted on a certificate of participation. Further resources are linked from each section and so participants may, if they wish, spend more time than this in consolidating and reflecting on the content. You do not need to complete all sections to request a certificate.

## Materials and Equipment

You'll need an internet connection with capability to watch video, and also to download the free GeoGebra software.

## Eligibility

Due to the way we are funded, ODPD is only available to teachers in state-funded schools and colleges in England.

## Cost

ODPD is free of charge for qualifying teachers.

## Key Facts

<b>Event ref:</b>	#6077
<b>Audience:</b>	Teachers
<b>Curriculum focus:</b>	11-16 maths
<b>Mathematical focus:</b>	Use of technology
<b>Event format:</b>	On Demand Professional Development
<b>Region:</b>	National
<b>Date:</b>	Self-paced study
<b>Fee:</b>	Free

## Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/6077>