



Desmos in the Maths Classroom

Online

Self-paced study

Overview

This On Demand Professional Development course is designed to support teachers with using Desmos across a wide range of contexts in the Mathematics classroom. The course covers a variety of skills ranging from how to use Desmos to graph simple equations to how to build classroom activities. The methods shown include some features that are particularly applicable in the GCSE and A level Maths classroom but all skills are taught with the aim of equipping teachers with a toolbox of methods that can be used to illuminate a wide range of the mathematics curriculum.

The course comprises five 'pods', each covering an element of Desmos' functionality. In each pod, teachers will see short videos guiding them through the methods, using examples from GCSE and A level Mathematics, along with practice materials, triggers for reflection and suggestions for further study. Teachers who enrol on this course will be encouraged to interact and collaborate with each other via the online forums. An expert tutor will be monitoring the forums and will respond to queries.

The course offers teachers complete flexibility in terms of managing their own study schedule. The materials can be worked on 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 features of Desmos
- To introduce transferrable skills in the use of Desmos 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?

Any maths teacher who would like to learn more about using the Desmos graphing calculator or classroom activities.

Content

Section	Approximate time to complete*
Getting started with Desmos	Up to 1 hour
Using the graphing calculator: more features	Up to 1 hour
Using Desmos for statistics	Up to 1 hour
Using Desmos Classroom Activities	Up to 1 hour
Activity Builder (creating and adapting Desmos Classroom Activities)	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. Desmos is accessed via a web browser.

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

Event ref:	#7544
Audience:	Teachers
Curriculum focus:	A level Mathematics, 11-16 maths, A level Further Mathematics
Mathematical focus:	Statistics, Pure, Problem solving, Use of technology
Event format:	On Demand Professional Development
Region:	National
Date:	Self-paced study
Fee:	Free

Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/7544>