



Kent and Medway Maths Conference 2021: Teaching Second Derivatives for Understanding

Online

9th December 2021

Overview

The Kent and Medway Maths Conference is an annual event where the AMSP and the Kent and Medway Maths Hub come together to provide outstanding professional development opportunities for teachers of maths in Kent and Medway. The conference is taking place online this year and is running as a series of twilight workshops (16.15 to 17.45).

Aims

- To consider what problems and misconceptions students face when learning this topic
- To use Desmos to investigate the change in the gradient and to promote thinking about what defines concave, convex and points of inflection
- To explore deep thinking questions which develop student reasoning and understanding

Who will benefit from attending?

New and experienced teachers of A level mathematics.

Content

This workshop will focus on the teaching of second derivatives in A level mathematics and will introduce resources aimed at developing a higher level of student understanding of this topic.

Participants are invited to suggest questions for discussion which have posed difficulties for your students - we will aim to discuss as many of these as time allows. Please submit any challenging questions or misconceptions you have encountered, centered around second derivatives, to alison.thompson@amsp.org.uk.

Everyone who attends will be given an electronic copy of the resources used in the workshop.

Materials and Equipment

Teachers will need access to reliable broadband and a microphone to be able to take an active part in the workshops.

Links to access the workshops will be emailed to successful applicants prior to each event.

Eligibility

Teachers working in schools in Kent and Medway will be given priority when applying to take part in this event. Teachers from other areas of the country may be allocated places at the workshops if additional capacity is available.

Cost

All workshops in the Kent and Medway Conference 2021 are provided free of charge.

Key Facts

Event ref:	#9243
Audience:	Teachers
Curriculum focus:	A level Mathematics
Mathematical focus:	Pure
Event format:	Conference
Event length:	1.5 hours
Region:	London and South East
Venue:	Online
Date:	Thu 9th Dec 2021
Course times:	16:15 - 17:45

Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/9243>