



Advanced Mathematics
Support Programme®

Continuing Professional
Development
Standard

National Centre
for Excellence in the
Teaching of Mathematics



Year 13 A level mathematics revision day on calculus

Hatfield

26th April 2019

Overview

Students will be given an overview of topics and consider how to apply their knowledge

Teachers will have some separate sessions to consider some ideas on gaining a deeper understanding and using different resources and technology for delivery

Who will benefit from attending?

Students who want to reinforce their skills on a range of related topics and develop their problem solving techniques.

Teachers who wish to strengthen their knowledge and consider how to support their students.

Content

There will be separate sessions for teachers during the morning.

Materials and Equipment

Bring pens, pencils, rulers, paper and a calculator

Other Information

Light lunch will be provided for staff and students, but students should bring a drink with them.

Eligibility

State funded schools

Programme

09:15-09:40 Registration and initial problems

09:40-10:00 Introduction to the day

10:00-11:00 Session 1 – Is your algebra secure for differentiation and integration?

11:00-11:15 Break

11:15-11:45 Session 2 – Using first principles for a range of functions

11:45-12:30 Session 3 – Newton-Raphson

12:30-13:20 Lunch

13:20–14:00 Session 4 – Calculus and kinematics

14:00-15:00 Session 5 – Modelling with differential equations

15:00-15:15 Plenary

Key Facts

Event ref:	#5787
Audience:	Students, Teachers
Curriculum focus:	A level Mathematics
Mathematical focus:	Pure
Event format:	Conference
Event length:	6 hours
Region:	East of England
Venue:	Lindop Building, University of Hertfordshire, College Lane, Hatfield, Herts, AL10 9AB
Date:	Fri 26th Apr 2019
Course times:	09:15 - 15:15
Fee:	Free

Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/5787>