



Advanced Mathematics  
Support Programme®

Continuing Professional  
Development  
Standard

National Centre  
for Excellence in the  
Teaching of Mathematics



## Introduction to Mechanics for beginners

**Norwich**

25th June 2019

### Overview

This course is for teachers who have not previously taught or have recently started teaching mechanics. It will cover the key topics of motion and force which underpin the mechanics content in AS and A Level Mathematics. It is also an ideal accompaniment or precursor to our sustained Mechanics courses (TM1)

### Aims

- To introduce the fundamental concepts of motion and force
- To provide a basis of understanding of underpinning ideas for teachers to build upon
- To explore and discuss classroom activities including simple practical work

### Who will benefit from attending?

This course will support teachers that have not previously taught mechanics. The course is designed for beginners however, it is also suitable for teachers who have just started teaching mechanics. Knowledge of GCSE Higher tier content and a working knowledge of AS pure mathematics is desirable, but not essential.

### Content

Provisional programme:

- 09:00 Arrival and refreshments
- 09:15 Welcome and introductions
- 09:30 Motion-time graphs
- 11:00 Break and refreshments
- 11:15 Modelling constant acceleration
- 12:00 Lunch
- 12:45 Vectors and forces
- 14:00 Break and refreshments
- 14:15 Newton's laws of motion
- 15:15 Modelling in mechanics
- 15:30 Depart

## Cost

Course fee:

£50 per delegate for teachers from state-funded or independent schools and colleges

A reimbursement of the event fee (£50) and a subsidy to help cover travel expenses (£50) will be awarded to schools/colleges from Priority Areas after attending the event.

## Key Facts

<b>Event ref:</b>	#5767
<b>Audience:</b>	Teachers
<b>Curriculum focus:</b>	A level Mathematics
<b>Mathematical focus:</b>	Mechanics
<b>Event format:</b>	Face-to-face Professional Development
<b>Event length:</b>	1 day
<b>Region:</b>	East of England
<b>Venue:</b>	Thorpe St Andrew School, Laundry Lane, Thorpe St Andrew, Norwich, Norfolk, NR7 0XS
<b>Date:</b>	Tue 25th Jun 2019
<b>Course times:</b>	09:00 - 15:30
<b>Fee:</b>	£50
<b>Priority Area subsidy:</b>	£100

## Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/5767>