



Advanced Mathematics  
Support Programme®

Continuing Professional  
Development  
Standard

National Centre  
for Excellence in the  
Teaching of Mathematics



## Introduction to Mechanics for beginners

### Loughborough

3rd July 2019

#### Overview

This course is for teachers who have not previously taught mechanics. It will cover the key topics of motion and force which underpin the mechanics content in AS and A Level Mathematics

#### 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:

Times	Session
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

#### Eligibility

## Cost

Course fee: £50 per delegate by cheque made payable to **Loughborough University** posted to Rina Karashai, Schofield building, Loughborough University LE11 3TU

For bank transfers please call Rina on 01509 263171

## Key Facts

<b>Event ref:</b>	#5571
<b>Audience:</b>	Teachers
<b>Curriculum focus:</b>	11-16 maths, 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 Midlands
<b>Venue:</b>	Loughborough University, Epinal Way, LE11 3TU
<b>Date:</b>	Wed 3rd Jul 2019
<b>Course times:</b>	09:00 - 15:30
<b>Fee:</b>	£50

## Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/5571>