



Surrey, Berks and Hants Teacher Network

Use of modelling and practicals in Mechanics (focus on projectiles)

25th November 2021

Overview

The Surrey, Berkshire and Hampshire Teacher Network is an AMSP-funded project, allowing teachers of Maths in the area to meet, collaborate and share best practice. We meet online and the programme is planned based on teacher requests and will involve a mixture of informal sessions and training events.

Aims

- To consider how modelling can be used to aid students understanding of concepts in Mechanics, particularly in the context of projectiles
- To consider the use of practicals to aid students' understanding of modelling and concepts in Mechanics

Who will benefit from attending?

All teachers who might be teaching A level Mechanics.

Content

In this meeting we will be focussing on the teaching of Mechanics and how one might use modelling and practicals to support student learning. The session will be led by Toby Rome, who leads AMSP's Teaching Mechanics courses and Dan Simpson, AC for the South and support tutor on Teaching Mechanics.

The session will concentrate on the teaching of projectile motion, but many of the ideas covered will be transferable to other topics. There will be plenty of opportunity for teachers to ask questions and discuss their own current practice.

This will be of benefit to teachers who are new to teaching the Mechanics module and those who have been teaching this for some time who might want some inspiration.

Materials and Equipment

The session will be held online via Zoom so access to a computer with internet access, headphones and a microphone.

Joining instructions and any other information on materials will be sent out a few days before the event.

Key Facts

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| Event ref: | #9123 |
| Audience: | Teachers |
| Curriculum focus: | A level Mathematics, A level Further Mathematics |
| Mathematical focus: | Mechanics, Problem solving, Reasoning |
| Event format: | Network meeting |
| Event length: | 1.5 hours |
| Region: | South |
| Venue: | Online |
| Date: | Thu 25th Nov 2021 |
| Course times: | 16:30 - 18:00 |
| Fee: | Free |

Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/9123>