

TEACHER WEBINAR

NEW: TEACHING GCSE PHYSICS EFFECTIVELY 3: TEACHING ELECTRICITY AND WAVES**FOCUS**

This course offers support and ideas to anyone who wants to improve their teaching of Forces and Energy at GCSE. Suitable to NQTs, RQTS and second subject teachers, this course aims to boost pedagogical knowledge of delivering the subject, practical ideas on how to deliver the curriculum and support subject knowledge.

These webinar sessions are led by Physics teacher expert Mark Lawrenson, whose GCSE Physics lessons have been consistently graded Outstanding by Ofsted.

There are 3 webinars in the series, courses 8226, 8227 and 8228. They can be bought as a series for £260 or standalone webinars for £110 each.

ABOUT THIS SESSION

In this session, we shall be focussing on approaches to teaching electricity and waves in GCSE Physics. We shall consider practical methods of delivery, misconceptions and how to develop students' skill sets to confidently tackle higher level questions.

PROGRAMME

	TIME
Electricity – an overview	4.00 - 4.15pm
<ul style="list-style-type: none"> ● Overview of electricity curriculum. Commonalities of curricula and where the emphasis of assessment lies in regards to AO1, AO2 and AO3 ● Models and useful analogies to aid learning ● Chunking the topic and examining the teaching order 	
Electricity – Misconceptions, Methodologies and Models	4.20 - 4.45pm
<ul style="list-style-type: none"> ● Series and Parallel – building blocks which aid understanding: how to teach this effectively ● How to teach problem solving to aid your practicals to run smoothly AND get the right answer ● Mathematical methods to solve electricity problems: more maths in physics 	
Waves – an overview	4.45 - 5.05pm
<ul style="list-style-type: none"> ● Waves – the big idea: ● Overview of waves curriculum. Commonalities of curricula and where the emphasis of assessment lies in regards to AO1, AO2 and AO3 ● Practical applications of waves – how to make your content relevant 	
Waves – applying pedagogy to practice	5.05 - 5.25pm
<ul style="list-style-type: none"> ● Practical Activities to excite and engage in the topic ● Teaching standard form – how to cope with the wave equation ● Raising attainment across the board. How to truly stretch and challenge all and boost their grades with revision materials 	
Review and Q&A	5.25 - 5.30pm

DATE

Monday 15 March 2021
Tuesday 15 June 2021

WEBINAR LEADER

As a highly experienced and dedicated science specialist, **Mark Lawrenson** has led a number of Science Departments as well as a number of Senior Leadership roles. His passion for science and science education have included working with a National STEM Learning Centre, ASE, A Level Physics examiner with a leading awarding body, amongst others. A finalist in the Rolls Royce Science Prize and keep physicist, Mark continues to develop his own teaching as well as others. His Physics lessons have consistently been graded Outstanding by Ofsted.

BENEFITS

- Confidently tackle challenging questions, following expert guidance from Mark Lawrenson – whose lessons have been consistently graded Outstanding by Ofsted
- Review trickier topics with revision activities during the webinar, covering Electricity and Waves
- Target higher grades with guidance on how to apply your knowledge in the exams
- Engage with a wider range of resources to engage, inform and challenge their thinking

WHY SHOULD YOU BOOK A TEACHER WEBINAR?

- ✓ **Get focused feedback** on the most important areas for improvement for 2021
- ✓ **Take away new approaches** to tackling specific challenging topics that take a different angle
- ✓ **Gain new techniques** for enhancing the performance of specific groups of students
- ✓ **Led by current examiners and academic experts**, giving the best possible advice
- ✓ **Interact and ask questions directly** to the examiner expert leading the webinar