

# Physics for Non-specialists

- Fast-track your knowledge of KS3/4 physics topics
- Find out why some students find physics hard, and overcome this
- Teach with confidence – enable your students to succeed

## Andrea Mapplebeck



Andrea is an advocate of formative assessment, and an expert in translating the latest research in this field into practical strategies that can be implemented in the classroom. She is also the former co-head of the National Science Learning Centre Programme, and was part of the nationwide 'Getting Practical' project.

### Upskill ready for the national recruitment issues in physics

Get to grips with the new Physics GCSE

Clarify the best approaches to teach the KS3 physics curriculum

### Ensure progress is not compromised by non-specialist teaching

Refresh your understanding of key physics concepts

Support students who struggle

Reveal the importance of practice and habits for success

Accelerate learning while ensuring it sticks

Employ the effective use of scientific models relevant to the teaching of physics

### A toolkit for teaching like a pro

Ideas for practical work

Approaches for teaching the mathematical aspects of physics

Techniques to assess progress

Ideas to enhance engagement in tough topics such as:

- Electricity
- Space
- Forces
- Electromagnetism
- Sound and Light
- Radioactivity
- Heat Transfer
- Applications of Physics

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