

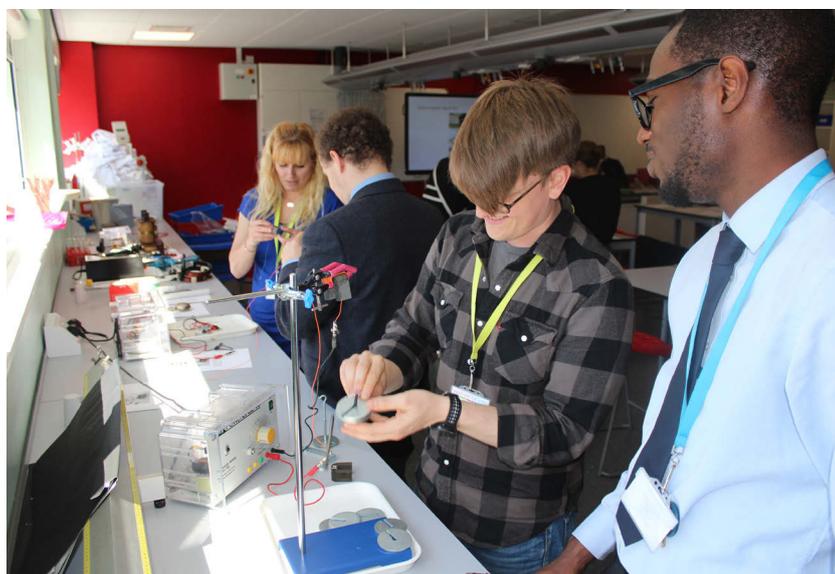
## Lack of specialist Physics teachers?

**Do you have non-specialists teaching Key Stage 3/4 Physics?**

**Do you struggle to recruit specialist physicists?**

Why not “grow your own” specialist Physics teachers with this **DfE funded** teacher subject specialism training in secondary physics, funded by the National College for Teaching and Leadership?

- Course designed and delivered in partnership with the Sheffield Institute of Education and the Northern Lights Science Learning Partnership
- Series of workshops on the key Physics topics
- Bespoke differentiated approach to meet teacher needs
- Gap tasks to ensure maximum impact in the classroom
- £250 bursary paid to the school on successful completion of course



### Details

**Venue:**

Harrogate High School,  
Ainsty Road, Harrogate,  
North Yorkshire, HG1 4AP

**Face-to-face sessions:**  
(With a practical focus  
on the core topics)

**12 March 2019**

**12 June 2019**

**8 July 2019**

All sessions run 10.00am - 4.00pm

**90 minute Google Hangouts  
evening sessions:**  
(focusing on misconceptions  
and subject knowledge)

**2 May 2019**

**24 June 2019**

**12 July 2019**

Times to be decided via poll of  
participants

**For further information or to  
receive an application form,  
please contact:**

Ginette Hawkins

[shine@northernlightstsa.org](mailto:shine@northernlightstsa.org)

[01756 707622](tel:01756707622)

Or visit:

<http://bit.ly/NL-TSST>

# Don't just take our word for it...

*Student understanding and progress improved. This was evidenced through pupil voice and exam data.*

*First and foremost this course has given me confidence in my own subject knowledge. This is due to the excellent teaching throughout the course. Physics became interesting and, dare I say, fun!*

*This course really gave me ideas on how to make physics more engaging.*

*Many of the units of study were fantastic for delivering content using a range of experiments. I have used these experiments as hooks for my teaching.*

*Everything I've taken away from this course has made life easier for me.*

*It's been brilliant! I've really enjoyed it!*

*Since the course I have had many discussions with our head of physics about teaching consistent, simple models of physics concepts to avoid problems with embedded misconceptions later in the school.*

*This has helped me add more strings to my bow in uncertain times with redundancies impending.*

## Course Facilitator Profile

<b>Name:</b>	Andrea Mapplebeck
<b>Designation:</b>	Education Consultant
<b>Designated Specialism:</b>	Pedagogical Teaching – Practical Science – Physics teaching for specialists and non-specialists
<b>Phase:</b>	Secondary



An experienced teacher and leader, as well as a career history that includes the co-Head of the National Science Learning Programme, Andrea brings enthusiasm and a wealth of practical ideas to create a stimulating and engaging learning environment. She has worked with a wide range of organisations on a variety of issues that affect secondary and primary education, not only in science but whole school and in the wider education context. She has a wealth of experience designing and facilitating a broad range of flexible CPD experiences across the UK and originating innovative and creative curricula based on a sound evidence base. Andrea recently completed her PhD, which explored how science teachers conceptualise and practise oral feedback, and how students perceive it helps their learning.

In her fourth year of leading the TSST Physics programme for Northern Lights SLP, Andrea's success lies in supporting all participants to become the best that they can be; to successfully promote Physics at both Key Stage 3 and GCSE – bringing a sense of fun and engagement, curiosity and academic rigour!