



# PHYSICS

**T**eacher  
**S**ubject  
**S**pecialism  
**T**raining  
**(TSST)**

**Been asked to teach Physics and unsure of your Subject Knowledge?**

**Or practical skills?**

**Or the new GCSE spec?**



**Our free course, designed to aid your subject knowledge, starts December 2018. See over for dates and further details.**



**THE MILLAIS ALLIANCE**  
*In partnership for success*

***This government-funded project aims to provide subject knowledge support to those being asked to teach Physics who may not have a relevant degree.***

### Who the course is for

- Non-specialist teachers who could potentially teach physics in addition to, or as well as, their main subject
- Non-specialist teachers who are currently teaching physics (either full-time or in addition to the specialist subject)
- Teachers who are looking to return to the profession
- NQTs
- Teachers without QTS teaching in academies
- Teachers with QTLS
- Supply teachers without a school contract with a commitment to return to a permanent post
- Primary teachers if they are teaching key stage 2/3 collaboration e.g. in a MAT
- Primary teachers if they have firm plans to convert to secondary

### Outcomes

- Understanding curriculum changes and core content at KS3 & KS4.
- Lesson planning for deep understanding, enabling teachers to plan and deliver stimulating and accurately informed lessons; examples & advice re starter & plenaries and effective differentiation.
- To secure knowledge of key concepts and the pedagogy that underpins the teaching of physics.
- Identifying & correcting key misconceptions: questioning for understanding.
- Using feedback and tracking to improve student progress.

### Dates

#### Venue for all sessions is:

**Forest School,  
Comptons Lane,  
Horsham  
RH13 5NT**

Saturday 7th December 2018	9.30am-3pm	Introduction, Self-Audit and looking at the New curriculum
Saturday 12th January 2019	9.30am-3pm	Forces
Saturday 9 <sup>th</sup> February 2019	9.30am-3pm	Waves and the electromagnetic spectrum & Optical devices
Saturday 16 <sup>th</sup> March 2019	9.30am-3pm	Electricity & electromagnetism
Saturday 30 <sup>th</sup> March 2019	9.30am-3pm	Energy & Radioactivity
Saturday 8 <sup>th</sup> June 2019	9.30am-3pm	Q & A Day - any existing misconceptions and problem areas

### Course content

- A blended learning model of whole day and school-based study that aims to root the course in the pedagogy of physics teaching and learning practice.
- There will be a strong emphasis on practical sessions in the school labs, ensuring access to commonplace school equipment – this will give delegates an immediate confidence boost if they are already running practicals - they will have first-hand experience of the problems that may be encountered and gain valuable hints and tips. This reflects the feedback received from last year's participants re the efficacy of practicals.
- Self-study packs will produced for study before these practical days to check understanding and application of physics concepts. Each full day will start with a review of these packs and discussion of any problems/misconceptions. An additional guided workbook will be produced.
- Between sessions, participants will be encouraged to complete questions from past papers which will be discussed further. We will also build in a free question session, again in response to feedback, to allow participants to request coverage of areas they are still unsure of.

### COSTS

The course is free.

However failure to attend ALL sessions and/or complete the course will result in a charge to the participant's school of £300.

### BOOKING

To book, please email [mitex@millais.org.uk](mailto:mitex@millais.org.uk) and request a booking form. Please phone Caroline Carroll on 01403 267890 with any questions.