

Inspiring electrolysis: Novel and effective teaching

Friday 6 December 2019 | National Physical Laboratory, Teddington



Overcome the barriers to
teaching electrochemistry

Refresh your approach to electrochemistry to keep the whole class engaged and together on this challenging topic

- Better understand students' misconceptions, and discuss innovative ways to prepare for and overcome them
- Gain the tools to effectively sequence and scaffold learning and ensure that pupils have a good grasp of the key concepts
- Discover cost-effective ways to conduct core investigations, and consider how to best deliver practicals

"Have learnt how to make the subject more interactive, appealing and relevant for the pupils and how to interweave it with other areas in the chemistry syllabus"

- 2019 Chemistry CPD delegate

This course is for you if:

- You teach Chemistry at Key Stage 3 or 4, as a specialist or non-specialist
- You would like the tools to successfully break down learning in a way that builds learners' confidence and understanding
- You would like to discover a unique tool for practicals that can be easily replicated in school

Book now at www.ptieducation.org/events

Exclusive NPL Sessions

Putting you in touch with specialist subject knowledge



Bespoke tour and talk

Explore the National Physical Laboratory's hydrogen car and take a tour of the fuelling station to increase your subject knowledge around this exciting new alternative energy technology. NPL is part of a multi-million pound project to develop early networks of hydrogen refuelling stations across major cities in Europe, including Copenhagen, Munich and London. This will prepare the market for commercial introduction of these innovative zero-emission vehicles over the coming years.

All course materials
and lunch included

Prices (subject to VAT at 20%)
Free for PTI Unlimited schools
£195 (PTI members)
£295 (non-members)
£145 (second delegate from dept.)

Enquiries:
events@ptieducation.org
020 3174 2403

**50% Early bird discount
Book by 20th October**

Workshops

Led by a practising teacher, ensuring relevance to you and your classroom

Breaking down the barriers - This workshop will focus on scaffolding student understanding and constructing an effective sequence of learning to maximise your student outcomes for electrolysis.

Modelling and investigating electrolysis - This workshop will give you experience in a variety of quick demonstrations, investigations and models that can be easily and cheaply reproduced in schools. They are designed to engage students of all abilities through innovative and unique practical techniques.

This day will be led by David Fairclough, second in department and lead Chemistry teacher at St John Fisher Catholic Academy. Working in challenging contexts for 9 years, David has investigated a wide range of different approaches to delivering Chemistry.

Also coming up - Online courses

Electromagnetism

A two-part course suitable for
Physics specialists and non-specialists:

Wednesday 13 November, 1600-1645

Wednesday 20 November, 1600-1645

Climate change: Presenting the evidence in the Science classroom

Make effective links with the Geography
department on this cross-curricular course.

Tuesday 26 November, 1600-1730

Free for PTI members and £20+VAT for non-members