

# Developing maths skills in chemistry and physics

Friday 27 November, 2018

St James the Less, 4 Moreton St, London SW1V 2PS



**Sessions led by Industry experts**

**Roger Hoyle, Ambassador of the Bloodhound Project**

**Explore new approaches to teaching mathematical concepts,  
focusing on uncertainties and graphs across chemistry and physics.**

- Gain ideas for engaging and challenging activities that allow students to develop pattern recognition in science and apply maths skills in a wide variety of contexts throughout the curriculum.
- Hear from leading experts about how maths is used in the practice of science and look at how we can bring real-life data into our classroom teaching.
- Increase your confidence in preparing students for the mathematical demands of the new GCSE and A Level curriculum.

## **Prices (subject to VAT at 20%)**

£195 (Schools Programme members)

£295 (non-members)

£145 (places from the same department)

*For more information, contact:*

**E: [events@ptieducation.org](mailto:events@ptieducation.org)**

**T: 020 3174 1235**

## **This day is for you if:**

- You want to help students of all abilities apply maths skills in chemistry and physics.
- You would like to learn new teaching strategies to deliver interactive lessons that generate enthusiasm, subject knowledge and build mathematical skills.
- You want to share best practice and explore how schools ensure maths skills are delivered.
- You would like to gain access to resources and activities to use in the classroom.

**Book now at [www.ptieducation.org/events](http://www.ptieducation.org/events)**

# Speakers

*Putting you in touch with up to date subject knowledge*



**Roger Hoyle**, following a degree in Physics, joined industry to carry out research into applications of holographic interferometry and laser technology. The laser work included development of high power ruby lasers, ring laser gyroscopes, and laser rangefinders. Having recently taken early retirement, Roger has accepted a number of voluntary roles including Education Ambassador for the Bloodhound SSC world land speed record attempt.

## Teacher Leaders

*All of our days are developed and led by practising teachers*

This day will be led by **Melissa Lord** and **Kathy Langridge**.

**Melissa** was previously Head of Physics and Head of Science at Altrincham Grammar School for Girls and is an Ogden Trust Regional Representative in the North West. Since 2012, Melissa has been a Teacher Leader for the PTI New Teacher Subject Days and has helped deliver CPD Subject Days in Nuclear Physics and Astronomy.

**Kathy** is currently Assistant Head of Chemistry at Altrincham Grammar School for Girls and an SLE working across a range of schools. Kathy has worked with the PTI since 2013 as a Teacher Leader on New Teacher Subject Days and delivering CPD Subject Days and E-Seminars in a range of specialisms in Chemistry.

**“As a classroom teacher, it is sometimes difficult to keep up-to-date with the latest ideas and findings. This course helped me unlock new ideas, and made me feel like a scientist who teaches, rather than a teacher of science!”**

- 2018 Science CPD Participant



### About The PTI

**We know that for every student in every school, every teacher matters.**

The PTI is a charity run by teachers, for teachers. We re-engage teachers with their specialist subjects, inspiring them to bring enthusiasm into class and raise the aspirations of their students.

**[www.ptieducation.org](http://www.ptieducation.org)**