

5th National Conference for Chemistry Teachers and Educators

Bolton School, Greater Manchester

Theme - Inspiring the next generation of chemists

Tuesday 2nd July 2019

The Secondary and Further Education Group (SaFE) exists to promote and develop the teaching and learning of chemistry, both academic and work-based, to 11-19+ year olds in secondary schools, 6th form and FE Colleges.

In 2019 we will be celebrating two important anniversaries - It is the 50th anniversary of the first landing on the moon and it is 150 years since the discovery of the Periodic System by Dmitri Mendeleev and 2019 has therefore been proclaimed the 'International Year of the Periodic Table of Chemical Elements (IYPT2019)'.

This year's National Conference aims to celebrate both anniversaries and is hosting speakers on these and a range of other topical subjects including employability and careers and the GCSE curriculum.

The keynote speaker is our first British Astronaut Helen Sharman CMG OBE, a pioneer, a chemist and a role model for young people (of all ages!). A superb speaker, Helen enthuses her audience about Space, STEM and the wonders of science.

As in previous conferences, the event will include presentations in the morning with short taster talks from a range of the afternoon workshop speakers. The delegates will be given the opportunity to attend two of the afternoon breakout sessions on their particular areas of interest.



Programme

All sessions up to lunch in the Art Centre

09:00 **Registration**

10:00 Introduction from Bolton School & Dr Julie Hyde (SaFE Committee Chair)

Speakers – Morning sessions

10:15 Associate Professor Darren Walsh, the University of Nottingham - 'The Periodic Table of Videos'

10:30 Holly Carter, Astra Zeneca and RSC Chemical Sciences Apprentice of the Year 2018 – 'My Journey from School to Award Winning Apprentice at Astra Zeneca'

10:45 Peter Rupkus, AQA Curriculum Support Manager, Science – 'Feedback from the 2018 GCSE chemistry exams'

11:00 **Break and Networking**

Keynote Speaker

11:30 Helen Sharman CMG OBE – the first British Astronaut – 'Out of this World' including a Question and Answer session at the end.

12:45 **Lunch and Networking** - Helen Sharman will be attending the lunch session

Afternoon Activities – delegates attend 2 out of 5 sessions (Kroto Chemical labs) – Each session will run twice

14:00-14:45 - **Breakout session 1** 15:00-15:45 - **Breakout session 2**

Activity 1: Lab 1 - Associate Professor Darren Walsh, the University of Nottingham – 'The Periodic Table of Videos'

Activity 2: Lab 2 - Peter Rupkus, AQA Curriculum Support Manager, Science – 'Feedback from the 2018 GCSE chemistry exams'

Activity 3: Lab 3 - David Paterson, Aldenham School – 'Integrated instructions in practical work'

Activity 4: Lab 4 - Caroline Molyneux, Deputy Head, Sharples School, Bolton. A Lead Educator for the National Space Academy – Space chemistry

Activity 5: Classroom - Dr Robert Bowles and Lakshmi Hughes, RSC Careers – 'How to use RSC career resources to deliver Gatsby career benchmarks' & Holly Carter, Astra Zeneca

15:45 **Reassemble in the Art Centre**

16:00 **Plenary session** - Caroline Molyneux – 'Space – Your Past, Present and Future'

16:25 Dr Julie Hyde closes the conference

16:45 **Close**

Exhibitors available during the morning break and over lunch.



Booking information

<https://rscsafegroup.wordpress.com>

Early bird deadline

17/05/19 RSC members - £25
Non-members - £30

Standard deadline

28/06/19 RSC members - £30
Non-members - £35