

A LEVEL TEACHING A LEVEL CHEMISTRY FOR THE FIRST TIME

CODE 6688

ABOUT THIS COURSE

If you are new to teaching A level Chemistry then this course will give you teaching strategies that motivate learners and ensure successful outcomes, with an emphasis on topics taught in the first year of the A level. It aims to build your confidence to teach difficult concepts in an accessible way and help you prepare students for the increased emphasis on mathematics and practical assessment. There will be ideas, tips and techniques to nurture students who struggle, while giving you fresh approaches that that will stretch the most able. We will look at ways of boosting exam performance, whichever specification you are following.

PROGRAMME

TIME

Setting the scene

10.00 – 10.30am

- Understanding the key messages and challenges for teaching the specification
- Considering the challenges that students experience, from the beginning of the course through to the final exams
- Building foundations for successful learning – knowing the standard and making sure students can meet it
- How to aim for exam success

Developing mathematical skills

10.30 – 11.30am

- How to embed mathematical content into your course
- Supporting students in developing the required skills
- Techniques for teaching the mole
- Developing strategies to boost student confidence
- Exploring approaches necessary for success when answering exam questions

Discussion: coffee break

11.30 – 11.45am

Fundamental concepts and skill development

11.45 – 12.45pm

- Building links from the electron through to the Periodic Table
- Energy change, reaction rates and equilibria
- Planning the development of practical skills and practical endorsement
- Developing thinking skills: practical teaching strategies that make learning active, learners independent and lessons memorable

Lunch and informal discussion

12.45 – 1.45pm

From molecules to mechanisms in organic chemistry

1.45 – 2.35pm

- Getting the basics right: teaching the key specification content well
- Problem solving approaches to learning key concepts
- Teaching analytical techniques for exam success

Examination Preparation

2.35 – 3.35pm

- Overview: what are examiners looking for? Feedback from 2018 to highlight key areas to cover
- What makes an A/A* candidate? Ensuring excellent teaching to stretch able candidates to achieve their best
- Teaching effective examination technique: making the most of multiple choice
- Preparing for extended questions and looking at 'Levels of Response'
- Linking concepts is the key to success
- From Lab to written exam – boosting performance and high impact teaching

Planning for Year 2 and depart

3.35 – 3.45pm

- Organising your teaching for a smooth start to the second year of A-level

LOCATION/DATE

Online

Thursday 19 November 2020

COURSE LEADER

Chris Conoley is an experienced teacher of Chemistry, Head of Science, College Principal, author and Senior A Level Examiner.

WHO SHOULD ATTEND?

- Heads of Science
- Heads of Chemistry
- Teachers starting off teaching Chemistry at A level

BENEFITS OF ATTENDING

- Receive key messages from the first two years of teaching the new specifications
- Develop mathematical skills in your students through tried and tested methods
- Understand how to approach topics that learners find difficult, from the mole to organic reaction mechanisms
- Consider strategies to boost performance in practical assessment, both in the lab and in written exams
- Increase your understanding of how to prepare students for the new style of examination papers
- Gain insights into developing independent learners
- Take advantage of the opportunities to share teaching approaches with colleagues in similar situations