



## 39<sup>th</sup> Annual ChemEd Conference and 9<sup>th</sup> Annual BASF Summer School for Chemistry Teachers



### **Great ideas and teaching resources for teachers of Leaving Certificate Chemistry and Transition Year Chemistry**

**Saturday 17<sup>th</sup> October 2020**

Webinar hosted by Eureka Centre, University College Cork, in collaboration with the Royal Society of Chemistry (Ireland), ISTA Cork branch and sponsored by BASF Ireland Ltd.

#### **PROGRAMME**

- 9.00 – 9.30 Registration – joining the webinar
- 9.30 – 9:45 **Official Opening by BASF**  
*In this presentation we will receive a short overview of the work of BASF in Ireland and see how this work relates to the batch reactor process on the Leaving Certificate chemistry syllabus.* - Denis Beecher, Process Manager, BASF Ireland Ltd.
- 9.45 – 10.30 **Building a good foundation: teaching the basics of chemistry**  
*This presentation will show how simple models and real examples can be used to lay a good foundation of understanding for abstract theoretical ideas, and how we can head off misconceptions ‘at the pass’ by addressing them early on in our teaching*  
- Dr Peter Childs, Emeritus Senior Lecturer, University of Limerick.
- 10:30 – 11:00 **Using microscale apparatus for Leaving Certificate Chemistry Lab Practical work**  
*This presentation will demonstrate how students can safely carry out chemistry practical work when working individually on some of the Leaving Certificate Chemistry mandatory experiments.* - David O’Connell, Christian Brothers College, Cork.
- 11:00 – 11:15 Tea/ coffee
- 11:15 – 12:00 **A blended learning approach to Thermochemistry**  
*This presentation will focus on the use of multimedia as a tool to engage and increase the understanding of 2nd level students towards physical chemistry, with a focus on thermochemistry.*  
- Dr Evelyn Landers, Department of Life Science, Waterford Institute of Technology.
- 12:00 – 12:45 **Laboratory practical work – the journey from the lab to online.**  
*This presentation will describe how the speaker is addressing the challenges of taking a first year university chemistry laboratory practical work programme and teaching it online.*  
- Dr Ian O’Connor, Department of Chemistry, UCC
- 12:45 – 1:30 Lunch
- 1:30 – 2:15 **Some observations on students’ performance in key topics on the Leaving Cert Higher Level Chemistry examination paper.**  
*This presentation will summarise some key observations made by a highly experienced examiner at Leaving Certificate chemistry level and will outline some advice to chemistry teachers when teaching a range of topics on the syllabus.*  
- Kieran Dennehy, formerly of Pobalscoil na Tríonóide, Youghal, Co. Cork.
- 2:15 – 3:00 **RSC Resources for teaching Transition Year Certificate Chemistry**  
*This presentation will provide some practical chemistry ideas to use with Transition Year students and a quick walkthrough of the free resources available on the new RSC education website that are useful for both face-to-face and remote teaching.*  
- John O’Donoghue, Royal Society of Chemistry Education Coordinator.
- 3:00 – 3:45 **Using blended learning in our teaching of Leaving Certificate Chemistry**  
*In this presentation Ryan will give an update on the online resources that he has created for Leaving Certificate chemistry teachers and their students and will also summarise the feedback and key recommendations received from those using his resources.*  
- Ryan Gallagher, St Aloysius College, Carrigtwohill, Co. Cork.
- 3.45 – 4:00 **Open Forum**

