

Pharma Bees

Cutting Edge Science in your Classroom

26th June 2018, 16.00 - 18.00 hrs
16th July 2018, 16.00 – 18.00 hrs

Costings: net cost £30

Location: Malmesbury School

Please note that your school will be charged £210 and will receive £180 on completion of the course.

Why come on this course?

Since the introduction of the new specifications have you asked yourself:

“How do I make the teaching of discovery and development of drugs, microbiology, antibiotics and drug resistance more engaging?”

“How can I help my students show their science skills and scientific understanding in unfamiliar contexts?”

With all of the above featuring in the new GCSE specifications and with assessment objectives focussing on assessing students' skills and understanding in a variety of situations, there has never been a better time for teachers of secondary science to participate in CPD which brings you together with research scientists and to provide stimulating and exciting contexts for you to bring science to life.

We are delighted to confirm that Dr James Blaxland will provide the cutting-edge research background to this unique professional development experience. James has a background in biomedical sciences, food science and pharmaceutical microbiology. He successfully completed a PhD on the antimicrobial effects of hops against Mycobacteria at Cardiff University in 2015. Following on from this Dr Blaxland has focused on identifying other natural products which are antimicrobial against multi-drug resistant bacteria.

Outcomes

- Develop and update your knowledge by engaging with scientists involved in cutting edge research
- Use authentic contexts for the effective delivery of science content,
- Deepen understanding of how science works, including controversies and ethical issues
- Engage with active and inspiring teaching approaches and learning activities
- Network and collaborate with other primary science teachers

How to Apply

To book your place on the at Malmesbury School on Tuesday 26th June & Monday 16th July, please visit our website <https://avontsa.com/triple-science/>



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Pharma Bees Part 1 26th June 2018 1600-1800hrs

Dr Blaxland will share his expertise with you in his chosen research field through a keynote address on his work appropriate to a secondary school science teacher up to and including A level.

How to teach discovery and development of drugs

This will be followed by a session led by a Stem Learning approved trainer and will explore where these ideas can be used to provide context to the curriculum and will focus on how to improve your teaching of drug development.

Pharma Bees Part 2. 16th July 2018 1600-1800hrs

Cutting edge science and context-based learning for secondary schools

Enlivening the specifications; how to apply the required practical on microbiology to the context of the Pharma Bees.

This will include hands on training on the aseptic techniques as well as providing opportunities to link practical biology top real world examples. You will be able to return to school and use these ideas immediately.

Costings

To minimise the supply costs this professional development will be run as 2 twilight sessions. Net cost is £30 (your school will be charged £210 and will receive £180 on completion of the course).

Refreshments will be available from 3.30pm.



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