

Microbiology – antimicrobials course

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This hands-on, face-to-face, course uses various 'Investigating the effects of antimicrobials on microbes' activities, as a context to learn the essential skills and techniques needed for school-based microbiology.

Participating in the day's activities will provide you with opportunities to familiarise yourself with a range of standard microbiological resources and equipment.

This course is intended for technicians and teachers new to microbiology, and for those wishing to refresh their knowledge and skills.



The structure of the day is as follows:

1. Using CLEAPSS microbiology guidance to keep yourself, and others, safe
2. Understanding sterilisation, how to achieve it, and using sterile resources
3. Setting up a microbiology workstation and practicing aseptic techniques
4. Learning to subculture into a broth

Break

5. Pouring nutrient agar plates
6. Pouring seeded yeast plates
7. Carrying out finger dabs and swabbing the environment activities
8. Dilution streaking
9. Learning to aliquot

Lunch

10. Investigating the effects of antibiotics on bacteria
11. Investigating the effects of antifungals on fungi
12. Safe clear up and disposal practices

Duration: 1 Day

Times: Start 9.00am; Finish 4.00pm (approx.)

For details of the next scheduled course please see our website.

