Training for new School Science Technicians
12 day course

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This practical programme is designed for technicians who are new to their role, have little experience with equipment used in science departments and/or do not have a strong science background. More experienced technicians have also benefitted from participating in the programme, enhancing their knowledge and skills and taking back new ideas.

The objectives of the course are for participants to:

- develop a wide range of practical skills needed to be a competent school science technician,
- enhance their understanding of the science behind common practical activities,
- develop greater confidence in carrying out their role in school leading to:
  - increased job satisfaction
  - a positive influence on the organisation and delivery of practical activities
  - a greater contribution to improved practice in practical science in the classroom

In addition the programme will provide the opportunity for participants to:

- Network with fellow technicians – including electronically between sessions.
- Have access to individual tailored support from CLEAPSS advisers.
- Make more effective use of CLEAPSS resources.

The programme will raise the status of the technician in their school and highlight their invaluable contribution to pupil outcomes in science

During the course the following areas will normally be covered:

- Unit 1 Role of technician/Introduction to Health & Safety – legislation, risk assessment, support from CLEAPSS
- Unit 2 Chemistry I – chemical hazards, control measures, preparing & checking solutions, dealing with waste
- Unit 3 Physics I – working with electricity, soldering, setting up/using physics equipment
- Unit 4 Biology I – using/maintaining microscopes, enzymes, dissection
- Unit 5 Workshop Skills – working with glass, using hand tools, soldering, making science equipment
- Unit 6 Prep room organisation – managing resources, requisitions, sharing best practice
- Unit 7 Chemistry II – flammables, heating techniques, storage, disposal, spills
- Unit 8 Biology II - setting up apparatus to study respiration, photosynthesis and transpiration
- Unit 9 Physics II – working with high voltages, radioactive sources, light hazards
- Unit 10 Microbiology – aseptic technique, sterilising, safe disposal, using cultures, pouring plates
- Unit 11 Chemistry III – gas preparation, fume cupboards & ventilation, reactive chemicals
- Unit 12 Practical assessment and course roundup

There will be assignments to carry out between some of the units.
The day runs from 9.30 to 16.00 approximately, assuming a lunch break of one hour.

Duration: 12 days over 6 months

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

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

CLEAPSS believes this programme could make a significant contribution to an Advanced Laboratory Technician Apprenticeship or NVQ
www.gov.uk/apprenticeships-guide www.paa-uk.org

www.cleapss.org.uk