

# Training for new School Science Technicians

A 12 day programme running from February to June 2018

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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 away 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.

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**Dates 2018:** 9<sup>th</sup> Feb; 22<sup>nd</sup> Feb; 1<sup>st</sup> March; 13<sup>th</sup> March; 22<sup>nd</sup> March; 28<sup>th</sup> March; 18<sup>th</sup> April; 1<sup>st</sup> May; 15<sup>th</sup> May; 7<sup>th</sup> June; 19<sup>th</sup> June; 28<sup>th</sup> June.

**Venue:** CLEAPSS, Uxbridge.

**Total cost per technician: £850**

CLEAPSS believes this programme could make a significant contribution to an Advanced Laboratory Technician Apprenticeship or NVQ

[www.gov.uk/apprenticeships-guide](http://www.gov.uk/apprenticeships-guide) [www.paa-uk.org](http://www.paa-uk.org)



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