

# Training for new School Science Technicians

A 12 day programme running from March to July 2020

Email: [science@cleapss.org.uk](mailto:science@cleapss.org.uk)

Tel: 01895 251496

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.

**Dates:** March to July 2020 (3/3/20, 20/3/20, 31/3/20, 22/4/20, 6/5/20, 19/5/20, 2/6/20, 9/6/20, 24/6/20, 30/6/20, 7/7/20, 14/7/20)

**Venue:** The School of Education, University of Bristol,  
35 Berkeley Square, Bristol, BS8 1JA

**To book a place on this course please complete the attached booking form.**

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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Please complete and return by e-mail: science@cleapss.org.uk Fax: 01895 814372  
or post: CLEAPSS, The Gardiner Building, Kingston Lane, Uxbridge UB8 3PQ

**Course:** Technicians 12 day training programme  
**Dates:** March to July 2020 (3/3/20, 20/3/20, 31/3/20, 22/4/20, 6/5/20, 19/5/20, 2/6/20, 9/6/20, 24/6/20, 30/6/20, 7/7/20, 14/7/20)  
**Location:** The School of Education, University of Bristol,  
35 Berkeley Square, Bristol, BS8 1JA  
**Cost:** £950

Name of participant:

School Order No:

Name of school:

Address of school:

Post code of school:

Telephone number:

E-mail address:

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To be completed by the Headteacher/Bursar:

I have given permission for \_\_\_\_\_ to attend the 12 sessions of the CLEAPSS training for New School Science Technicians programme and agree to the programme cost of £950.

Signed \_\_\_\_\_

Date \_\_\_\_\_

Print name \_\_\_\_\_

E-mail address \_\_\_\_\_