

Microscope Maintenance

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This one-day course is designed for the school technician with little knowledge or experience of servicing school microscopes. The purpose of the course is to provide the confidence to tackle simple maintenance tasks and to impart the knowledge to enable faults in school microscopes to be identified so that standard repairs can be done. Certain jobs e.g. repair of fine focus mechanism, will still require the services of professional microscope technicians.



Topics covered include:

- Dismantling the microscope.
- Cleaning mechanical parts.
- Lubrication.
- Re-assembly and adjustment of mechanical parts.
- Cleaning the optical components.
- Testing the serviced microscope.

Each technician must bring to the course:

- 2 microscopes (if possible 1 junior type and 1 A-level type)

And as many of the following as possible:

- a soft lint free cloth,
- a set of screwdrivers from small instrument sizes to larger ones needed for the microscopes,
- a set of Allen keys,
- an overall or lab coat (some microscope parts can be dirty and greasy).

NB: Microscopes with a single coarse focus or a separate fine and coarse focus mechanism are most suitable for this course. Stereo, coaxial focusing (coarse and fine focusing knobs mounted on the same axis) and more advanced university type microscopes are not appropriate.

Title: Microscope Maintenance

For: Technicians

For details of the next scheduled course please see our website <http://courses.cleapss.org.uk/>

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