

Microscopes: Maintenance and use

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This one-day practical course is designed for science technicians and teachers with little knowledge or experience of maintaining and using school microscopes.

The objective of the course is to provide the skills and knowledge so they can confidently carry out routine maintenance tasks and learn to use the microscope for common activities. On the course we may be able to tackle some straight forward service issues but for more complex jobs, eg repair of fine focus mechanism, the services of a professional microscope technician will still be required.

During the day the following will be covered:

- Parts of a microscope and their function.
- Setting up microscopes and fault finding.
- Adjustments to reset the microscope.
- Cleaning the optical components.
- Inserting an eye piece graticule.
- Carry out microscope-based activities

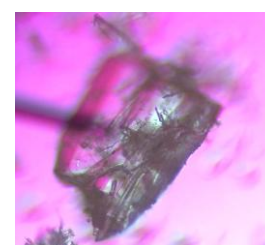
To get the most from the day, bring the following:

- **Two** microscopes (if possible 1 junior type and 1 A-level type) and any tools that came with the microscope when you purchased it.

And as many of the following as possible - soft lint free cloth, set of screwdrivers from small instrument sizes to larger ones needed for the microscopes, set of Allen keys suitable for your microscope. Spare equipment and other tools will also be supplied on the day.



Both traditional (simple) and modern microscopes will be covered in terms of cleaning and adjustment.



Microscope optics (eyepiece and objective lens) will be removed for deep cleaning using methods that prevent scratching and remove stains.

After cleaning and maintenance, the microscopes will be used in a range of activities to get the best out of your microscope.

Duration: 1 Day

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

For details of the next scheduled course please see our website or scan the QR code.

