

Reduced and Micro-scale Chemistry full day or half day course

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Why Reduced and Micro-scale Chemistry?

Small-scale chemistry is quick, saves on chemicals use and disposal and offers variety in presentation.

Observations by users of these techniques appear to show that there is an improvement in classroom management both in organization and a reduction in the cognitive load for the students.

There are pedagogue advantages, which can help dispel many of the misconceptions in the understanding of chemistry.

There are also financial benefits to reduced and Micro scale chemistry as after an initial outlay on equipment, there is a reduction in the cost in equipment. This course does not use a commercial kit.

A one-day course for teachers and technicians

In this workshop participants will gain practical experience carrying out practical procedures. Some completely new experiments will be demonstrated such as the preparation and hydrogenation of propene and a safer method of electrolysing of molten salts.

The course covers:

- indicators
- electrolysis
- precipitation
- conductivity and working with toxic gases
- quantitative work in titrations
- the magnesium/oxygen reaction and % water in hydrated salts



A half-day course for teachers and technicians

This course covers similar content to the full day course, however due to time constraints there are more demonstrations and less opportunities for participants to try out the procedures themselves.

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

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