

# Supporting Safe & Successful Classroom Physics

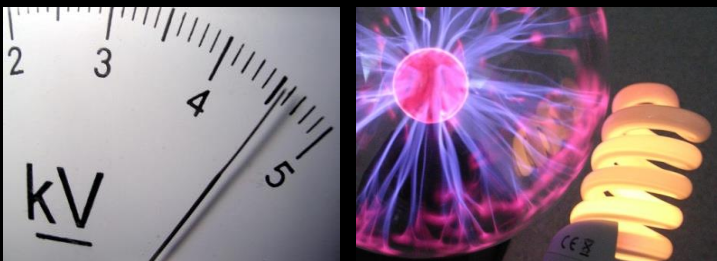
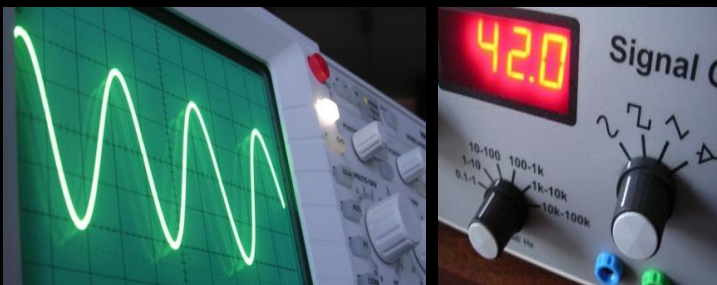
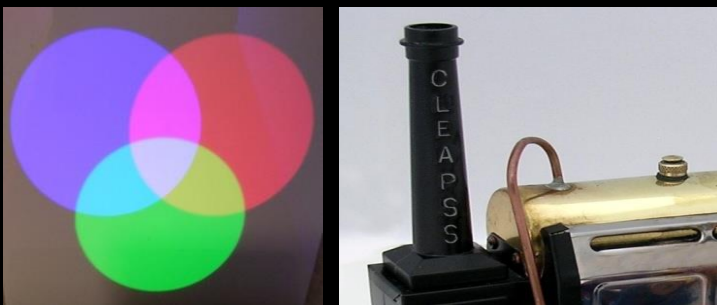
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This 1-day course is designed to enable secondary school science laboratory technicians to be more confident in supporting the teaching of practical physics. It also provides a valuable opportunity for technicians to meet together and share expertise.

This course assumes a basic level of experience in physics.

Technicians who are completely new to supporting physics are recommended to attend the introductory physics course, *Introduction to Supporting Physics teaching for Technicians*.



## Topics covered include:

- **Physics Safety - overview**

Hazard identification and risk assessment with demonstrations, including: *lasers, microwaves, ionising radiations, heat, flammable liquids, electrical and mechanical hazards.*

- **Practical Workshop**

Hands-on activities, with an emphasis on the work often carried out by technicians to support physics teaching.

## The list below is subject to change, depending on availability of equipment:

*Electricity; a circus of activities which includes work with Extra High Tension power supplies, Transformers & power lines, electron beam tubes and the Van de Graaff generator; Low voltage work including using ammeters, voltmeters & multimeters, thermistors, light dependent resistors and electric motors, Model steam engines; how to set one up, and what to look for before each use, Ionising radiation; Waves; Oscilloscopes & signal generators, the Rubens tube, Lasers & LED's.*

**Title:** Supporting Safe & Successful Classroom Physics

**For:** Technicians

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

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