

Lab exercises should be a process of discovery for students as they uncover the mechanisms behind important scientific principles. Great lab exercises mirror research processes so that they understand the practicalities of research and make their own discoveries.

Dean, J.R., Jones, A. M., Holmes, D., Reed, R., Weyers, J. and Jones, A. 2002 *Practical Skills in Chemistry*, Prentice Hall, Harlow

Textbook providing useful guidance and exercises on laboratory techniques to support students' practical activities

Global Green Labs <http://www.globalgreenlabs.org/index.html>

Global Green Labs is a worldwide collaboration of students, alumni and faculty.

Healey, M. et al. 2004 *Learning Support for Disabled Students Undertaking Fieldwork and Related Activities*, Geography Discipline Network, Cheltenham

<http://www2.glos.ac.uk/gdn/disabil/index.htm>

How to Teach Lab Sections <http://gsi.berkeley.edu/teachingguide/labs/index.html>

Practical 'How to' online guide covering all aspects of teaching laboratory practicals.

LabRats <http://sustainability.ucsb.edu/LARS/>

LabRats look at *how* researchers practice science and ways to conserve resources. The website provides comprehensive information and links on sustainable laboratory occupancy (under 'Best Practices').

The Royal Society of Chemistry <http://www.rsc.org/>

The web site contains useful information about Health and Safety in laboratories and the Control of Substances Hazardous to Health (COSHH), including:

- COSHH Essentials and Guidance Notes
- COSHH in Laboratories, Environment Health and Safety Committee Note
- Health, Safety and Toxicology, Current Awareness Databases including Laboratory Hazards (monthly bulletin)
- Chemistry Education Research and Practice (Journal)

V-Lab Project <http://www.abdn.ac.uk/~clt011/zoology/virtuallaboratory/>

This project is an ongoing development of web based environments designed to support learning and teaching of laboratory practicals and field visits. The website contains two self-contained online Virtual Laboratories, 'Geography Fieldtrip' and 'Zoology Laboratory'.

Williams, I. 2006 *Practical and Laboratory work in Earth and Environmental Sciences: Guide to Good Practice and Helpful Resources*. The GEES Subject Centre

<http://www.gees.ac.uk/pubs/guides/labspracs/geeslabsnpracs.pdf>