

QUICK LINKS TO TECHNICAL RESOURCES:

Major technical resources:

[Chemical Management Handbook for Australian Schools - Edition 3](#)

[GUIDELINES for best practice for microbiology in Australian schools](#)

[GUIDELINES for the design and planning of secondary school science facilities in Australian schools](#)

[List of recommended chemicals for science in Australian schools](#)

[Risk Assessment Template](#)

[School science suppliers*](#)

*Please ensure that you are accessing the latest version

Standard Operating Procedures (SOPs)

Customisable risk assessments are available for all SOPs

Chemical

[SOP: Demonstrating the flame test using a PET bottle](#)

[SOP: Demonstrating the reaction of alkali metals lithium and sodium with water](#)

[SOP: Diluting concentrated acetic acid](#)

[SOP: Diluting concentrated hydrochloric acid](#)

[SOP: Diluting concentrated nitric acid](#)

[SOP: Diluting concentrated sulphuric acid](#)

[SOP: Handling dry ice](#)

[SOP: Handling liquid nitrogen](#)

[SOP: Preparing sodium hydroxide solutions](#)

[SOP: The Thermite Reaction](#)

Biological Sciences

[SOP: Performing a brain dissection](#)

[SOP: Performing a chicken wing dissection](#)

[SOP: Performing a heart dissection](#)

[SOP: Performing a kidney dissection.](#)

[SOP: Performing a lung dissection](#)

[SOP: Performing a rat dissection](#)

[SOP: Performing an eye dissection](#)

[SOP: Physarum polycephalum \(slime mould\) care and use](#)

[SOP: Preparing agar plates](#)

[SOP: Preparing animal and plant cell slides](#)

[SOP: Use and care of the compound light microscope](#)

Physical Sciences

[SOP: Demonstrating the Van de Graaff generator](#)

[SOP: Handling sealed radioactive sources](#)

[SOP: Use of lasers in schools Parts 1,2 and 3](#)

General

[SOP: Fire blankets](#)

[SOP: Fire extinguishers](#)

[SOP: Gas cylinders in school science areas](#)

[SOP: Operating a pressure cooker and autoclave](#)

ASSIST information sheets (AIS) and Laboratory notes

General

[AIS: 3D printer safety in schools](#)

[AIS: Asbestos minerals in schools](#)

[AIS: Decontaminating microbiological equipment](#)

[AIS: Footwear in a school science laboratory](#)

[AIS: Guidelines for ordering, distribution and return of equipment for practical activities](#)

[AIS: Lab glass and porcelain disposal](#)

[AIS: Labels for school science chemicals](#)

[AIS: Latex allergies in schools](#)

[AIS: Microscope choices in schools](#)

[AIS: Plant and equipment maintenance and servicing schedule](#)

[AIS: Portable Bunsen burners](#)

[AIS: Preparing sterile equipment for microbiology](#)

[AIS: Recirculating fume cabinets](#)

[AIS: Refrigerators and freezers in science](#)

[AIS: Risk Management and risk assessment](#)

[AIS: Safe handling and use of potting mix](#)

[AIS: School science area security](#)

[AIS: School science laboratory gas fitting requirements](#)

[AIS: Sterilising agar](#)

[AIS: Use of stepladders in school science areas](#)

Laboratory Notes

[Food tests](#)

[Generation and collection of nitrogen dioxide \(NO₂\) gas for equilibrium demonstrations](#)

[Phenolphthalein/NaOH agar cube experiment](#)

[Preparing chemical solutions](#)