# QUICK LINKS TO TECHNICAL RESOURCES:

## Major technical resources:

* [Chemical Management Handbook for Australian Schools Edition 3](https://assist.asta.edu.au/resource/4193/chemical-management-handbook-australian-schools-edition-3)
* [GUIDELINES for best practice for microbiology in Australian schools](https://assist.asta.edu.au/resource/4196/guidelines-best-practice-microbiology-australian-schools)
* [GUIDELINES for the design and planning of secondary school science facilities in Australian schools](https://assist.asta.edu.au/resource/4175/guidelines-design-and-planning-secondary-school-science-facilities-australian-schools)
* [List of recommended chemicals for science in Australian schools](http://assist.asta.edu.au/resource/3052/list-recommended-chemicals-science-australian-schools)
* [Risk Assessment Template](http://assist.asta.edu.au/resource/2298/risk-assessment-template)

## ASSIST information sheets (AIS) and Standard Operating Procedures (SOPs)

Customisable risk assessments are available for all SOPs

**SOPs**

**Chemical**

|  |
| --- |
| [SOP: Demonstrating the flame test using a PET bottle](https://assist.asta.edu.au/resource/3950/sop-demonstrating-flame-test-using-pet-bottle) |
| [SOP: Demonstrating the reaction of alkali metals lithium and sodium with water](http://assist.asta.edu.au/resource/3591/sop-demonstrating-reaction-alkali-metals-lithium-and-sodium-water) |
| [SOP: Diluting concentrated acetic acid](http://assist.asta.edu.au/resource/2936/sop-diluting-concentrated-acetic-acid) |
| [SOP: Diluting concentrated hydrochloric acid](http://assist.asta.edu.au/resource/680/sop-diluting-concentrated-hydrochloric-acid) |
| [SOP: Diluting concentrated nitric acid](http://assist.asta.edu.au/resource/2935/sop-diluting-concentrated-nitric-acid) |
| [SOP: Diluting concentrated sulphuric acid](http://assist.asta.edu.au/resource/656/sop-diluting-concentrated-sulphuric-acid) |
| [SOP: Handling dry ice](http://assist.asta.edu.au/resource/657/sop-handling-dry-ice) |
| [SOP: Handling liquid nitrogen](https://assist.asta.edu.au/resource/4341/sop-handling-liquid-nitrogen?search-id=7a9e271) |
| [SOP: Preparing sodium hydroxide solutions](http://assist.asta.edu.au/resource/661/sop-preparing-sodium-hydroxide-solutions) |
| [SOP: The Thermite Reaction](http://assist.asta.edu.au/resource/3225/sop-thermite-reaction) |

**Biological Sciences**

|  |
| --- |
| [SOP: Performing a brain dissection](https://assist.asta.edu.au/resource/4272/sop-performing-brain-dissection) |
| [SOP: Performing a chicken wing dissection](https://assist.asta.edu.au/resource/4273/sop-performing-chicken-wing-dissection) |
| [SOP: Performing a heart dissection](http://assist.asta.edu.au/resource/2837/sop-performing-heart-dissection) |
| [SOP: Performing a kidney dissection.](http://assist.asta.edu.au/resource/2836/sop-performing-kidney-dissection) |
| [SOP: Performing a lung dissection](https://assist.asta.edu.au/resource/4071/sop-performing-lung-dissection) |
| [SOP: Performing a rat dissection](https://assist.asta.edu.au/resource/3626/sop-performing-rat-dissection) |
| [SOP: Performing an eye dissection](http://assist.asta.edu.au/resource/2300/sop-performing-eye-dissection) |
| [SOP: Physarum polycephalum (slime mould) care and use](http://assist.asta.edu.au/resource/2567/sop-physarum-polycephalum-slime-mould-care-and-use) |
| [SOP: Preparing agar plates](http://assist.asta.edu.au/resource/2299/sop-preparing-agar-plates) |
| [SOP: Preparing animal and plant cell slides](https://assist.asta.edu.au/resource/4180/sop-preparing-animal-and-plant-cell-slides) |
| [SOP: Use and care of the compound light microscope](http://assist.asta.edu.au/resource/2879/sop-use-and-care-compound-light-microscope) |

**Physical Sciences**

|  |
| --- |
| [SOP: Demonstrating the Van de Graaff generator](http://assist.asta.edu.au/resource/2570/sop-demonstrating-van-de-graaff-generator) |
| [SOP: Handling sealed radioactive sources](http://assist.asta.edu.au/resource/2490/sop-handling-sealed-radioactive-sources) |
| [SOP: Use of lasers in schools Parts 1,2 and 3](http://assist.asta.edu.au/resource/2723/sop-use-lasers-schools) |

**General**

|  |
| --- |
| [SOP: Fire blankets](http://assist.asta.edu.au/resource/2542/sop-fire-blankets) |
| [SOP: Fire extinguishers](http://assist.asta.edu.au/resource/2541/sop-fire-extinguishers) |
| [SOP: Gas cylinders in school science areas](http://assist.asta.edu.au/resource/3191/sop-gas-cylinders-school-science-areas) |
| [SOP: Operating a pressure cooker and autoclave](http://assist.asta.edu.au/resource/2924/sop-operating-pressure-cooker-and-autoclave) |

**AISs**

**General**

|  |
| --- |
| [AIS: 3D printer safety in schools](https://assist.asta.edu.au/resource/4416/ais-3d-printer-safety?search-id=ea4aed6) |
| [AIS: Asbestos minerals in schools](http://assist.asta.edu.au/resource/3354/ais-asbestos-minerals-schools) |
| [AIS: Decontaminating microbiological equipment](https://assist.asta.edu.au/resource/4186/ais-decontaminating-microbiological-equipment) |
| [AIS: Footwear in a school science laboratory](http://assist.asta.edu.au/resource/2545/ais-footwear-school-science-laboratory) |
| [AIS: Guidelines for ordering, distribution and return of equipment for practical activities](http://assist.asta.edu.au/resource/2707/ais-guidelines-ordering-distribution-and-return-equipment-practical-activities) |
| [AIS: Lab glass and porcelain disposal](http://assist.asta.edu.au/resource/2395/ais-lab-glass-and-porcelain-disposal) |
| [AIS: Labels for school science chemicals](http://assist.asta.edu.au/resource/2455/ais-labels-school-science-chemicals) |
| [AIS: Latex allergies in schools](https://assist.asta.edu.au/resource/4243/ais-latex-allergies-schools) |
| [AIS: Microscope choices in schools](https://assist.asta.edu.au/resource/4332/ais-microscope-choices-schools?search-id=ea4aed6) |
| [AIS: Plant and equipment maintenance and servicing schedule](https://assist.asta.edu.au/resource/4414/ais-plant-and-equipment-maintenance-and-servicing-schedule?search-id=ea4aed6) |
| [AIS: Portable Bunsen burners](https://assist.asta.edu.au/resource/4185/ais-portable-bunsen-burners) |
| [AIS: Preparing sterile equipment for microbiology](https://assist.asta.edu.au/resource/4187/ais-preparing-sterile-equipment-microbiology) |
| [AIS: Recirculating fume cabinets](http://assist.asta.edu.au/resource/2978/ais-recirculating-fume-cabinets) |
| [AIS: Refrigerators and freezers in science](https://assist.asta.edu.au/resource/4278/ais-refrigerators-and-freezers-science?search-id=ea4aed6) |
| [AIS: Risk Management and risk assessment](http://assist.asta.edu.au/resource/3079/ais-risk-management-and-risk-assessment) |
| [AIS: Safe handling and use of potting mix](https://assist.asta.edu.au/resource/4182/ais-safe-handling-and-use-potting-mix) |
| [AIS: School science area security](http://assist.asta.edu.au/resource/2979/ais-school-science-area-security) |
| [AIS: School science laboratory gas fitting requirements](http://assist.asta.edu.au/resource/2404/ais-school-science-laboratory-gas-fitting-requirements) |
| [AIS: Sterilising agar](http://assist.asta.edu.au/resource/648/ais-sterilising-agar) |
| [AIS: Use of stepladders in school science areas](http://assist.asta.edu.au/resource/3550/ais-use-stepladders-school-science-areas) |

**Laboratory Notes**

|  |
| --- |
| [Food tests](https://assist.asta.edu.au/resource/4345/laboratory-notes-food-tests?search-id=ea4aed6) |
| [Phenolphthalein/NaOH agar cube experiment](https://assist.asta.edu.au/resource/4412/laboratory-notes-phenolphthaleinnaoh-agar-cube-experiment?search-id=ea4aed6) |
| [Preparing chemical solutions](https://assist.asta.edu.au/resource/4415/laboratory-notes-preparing-chemical-solutions) |