

Chemical Safety in Secondary Schools

Dr Phillip Crisp

7 March 2017

Our Lady of the Rosary Cultural Centre Auditorium
McCarthy Catholic College
Tribe Street, Tamworth

8.30-9.00	Registration • tea/coffee
9.00-9.15	Introduction • Welcome • Work Health Safety Act and Regulation
9.15-10.00	How to avoid an "accident" • factors underlying "accidents" • how chemicals cause injury • toxicity and hazard
10.00-11.00	Risk assessment: the logic and the process • legal requirements, WHS Act 2011 • identify, assess and control risks • advantages of a formalised system
11.00-11.30	<i>MORNING TEA</i>
11.30-12.30	Globally Harmonised System (GHS) for hazardous chemicals • classification of chemicals • labelling of chemicals • safety data sheets (SDSs) • record keeping
12.30-1.15	Dangerous chemicals • explosive chemicals • corrosive chemicals • lung-damaging chemicals
1.15-2.00	<i>LUNCH</i>
2.00-2.30	Safe use of chemical equipment • Bunsen burner, tripod and gauze • cutting equipment • gas taps and hot equipment • glass tubing & fittings
2.30-3.15	Safe storage of chemicals • storage systems for chemicals • maintaining a chemical register • Australian Standards
3.15-4.00	Disposal of chemical wastes • legal requirements • practical problems • examples of safe disposal