

# Science Practical Risk Assessment

<b>School of Maths &amp; Science</b>	<b>Practical Activity Title</b>	<b>Rate of reaction with change of temperature (WJEC_GCSE_Chemistry_assessment_C1f)</b>		<b>Risk Assessment No.</b> WJEC_GCSE_Chemistry_assessment_C1f_RA	
Location	<b>Chemistry Labs. NB236 / 237</b>				
Assessment Performed By	<b>Beryl Bond / Emma Lee</b>	Signature:		Date:	<b>03 Dec 2007</b>
Supported By	<b>Gareth John</b>	Signature:		Date:	<b>03 Dec 2007</b>
Approved By	<b>Brian Harris (H.o.S.)</b>	Signature:		Date:	<b>03 Dec 2007</b>
Date of Re-assessment (if necessary)	<b>Re-assess if any changes to procedure or equipment / chemicals are made.</b>				

HAZARDS TO BE CONSIDERED	WHO MIGHT BE HARMED?	IS THE RISK ADEQUATELY CONTROLLED?	WHAT FURTHER ACTION IS NECESSARY TO CONTROL THE RISK?
1. Slipping / Tripping	Staff		
2. Fire	Students		
3. Chemicals / drugs			
4. Moving parts of machinery			
5. Pressure systems		<i>Please complete overleaf</i>	<i>Please complete overleaf</i>
6. Electricity			
7. Dust			
8. Fumes			
9. Manual Handling			
10. Noise			
11. Lighting			
12. Computers			
13. Any other hazards			

**(Please refer to Risk Assessment Matrix to indicate how Severity and Likelihood combine to produce a Risk score)**  
**Likelihood x Severity = Risk Score, = Low, Medium or High risk**

Type & Source Of Hazard	Nature Of The Risk	Type Of Activity In Which Risks May Arise	Control Measures	Risk Rating			L M H	Any Further Control Measures Required
				L	S	R		
Bags & coats	Trip Hazard	Any activity which involves movement around the laboratory	Place all bags & coats etc in lockers provided	1	1	1	L	
Sodium Thiosulphate	Splash to eyes / skin irritation	Pouring & mixing solutions	The wearing of safety goggles is mandatory during practical activities in the laboratory. Very dilute sodium thiosulphate is used which has minimal hazard, any splashes to skin should be washed off.	1	2	2	L	
Hydrochloric acid	Splash to eyes / skin irritation	Pouring & mixing solutions	The wearing of safety goggles is mandatory during practical activities in the laboratory. 2mol / dm <sup>3</sup> HCl is used which is an irritant not corrosive, any splashes to skin should be washed off immediately.	1	2	2	L	
SO <sub>2</sub>	Toxicity	Small quantities produced during reaction	Only very small quantities produced, ensure lab is well ventilated during prac. Place glassware in fume cupboards immediately after prac.	1	1	1	L	
Hot Apparatus	Burns	Heating samples to 60 °C with Bunsen burners.	All long hair should be tied back, use gloves when handling hot apparatus and allow equipment to cool before putting away.	1	2	2	L	

INDICATE WHAT FIRST AID ARRANGEMENTS ARE IN PLACE

A science technician (qualified first aid at work) shall be present during all science practical lessons.  
First aid kit available in all science prep rooms (Physics NB232, Chemistry NB237B & Biology NB124A).

Assessment performed by : (Please Print Name)	<b>Beryl Bond</b>	Position :	<b>Technician / Chemistry lecturer</b>
Date of Assessment :	<b>03 December 2007</b>		
Signed :			

ACTION LIST RECOMMENDATIONS	Risk Rating			L M H	TO BE ACTIONED BY	DATE ACTION COMPLETED	SIGNATURE
	L	S	R				