

Science Practical Risk Assessment

School of Maths & Science	Practical Activity Title What is Light? (MAS_SP_6001_what_is_light)			Risk Assessment No. MAS_RA_6001_what_is_light	
Location	Physics Lab. NB231			Revision level: 1	
Assessment Performed By	Dr Lisa Jenkins	Signature:		Date:	10-Jul-08
Supported By	Gareth John	Signature:		Date:	10-Jul-08
Approved By	Brian Harris (H.o.S.)	Signature:		Date:	10-Jul-08
Date of Re-assessment (if necessary)	Re-assess if any changes to procedure or equipment / chemicals are made.				

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		
Electrical	High Voltage Transformer	Member of staff connecting and switching on the transformer.	Transformer regularly checked by PAT testing. Students instructed not to not handle/adjust electrical apparatus.	1	5	5	L	
Hot apparatus	Bunsen burner	Burns from touching hot apparatus	Lab coats worn. Students warned of risk.	2	2	4	L	
Chemical hazard	Inorganic compounds - Irritants	Chemical compounds coming into contact with skin / eyes	Small quantities used Goggles and lab coats worn. Students informed of risk. Hands washed after use.	2	3	6	L	
Chemical hazard – conc. hydrochloric acid	Burns to eyes or skin	Dispensing conc acid Carrying out flame tests	Place watch glass containing conc acid for flame test in plastic tray to prevent spills. Technician to dispense acid as required. Must use gloves when dispensing acid. Acids to be handled in fume cupboard only Goggles and lab coats worn. Instruct students in dangers of acid and what to do in event of spill or accident	2	4	8	L	

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		
Bunsen Flame	Risk burns/ clothes hair catching fire	Carrying out of flame tests	Students with long hair need to tie hair back. Buttons to lab coat to be done up. Bunsen burners to be turned only when needed.	2	4	8	L	
General hazard	Tripping	Walking around darkened laboratory.	Lamp placed in corner of room for some light. No obstructions placed on floor. Bags to be placed out of the way	2	2	4	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)	Dr Lisa Jenkins	Position :	Physics Lecturer
Date of Assessment :	10 July 2008		
Signed :			

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