



# Science Practical Risk Assessment

<b>School of Maths &amp; Science</b>	<b>Practical Activity Title</b>	<b>Light microscopy</b> (MAS_SP_0001_light_microscopy)				<b>Risk Assessment No.</b> MAS_RA_0001_light_microscopy
Location	<b>Biology Lab. NB124</b>					
Assessment Performed By	<b>Dr. Diana Wassell</b>	Signature:		Date:	<b>17 Sept 2007</b>	
Supported By	<b>Gareth John</b>	Signature:		Date:	<b>17 Sept 2007</b>	
Approved By	<b>Brian Harris (H.o.S.)</b>	Signature:		Date:	<b>17 Sept 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	
Needles & forceps	Cuts	Risk of injury when picking up & using needles & forceps.	Ensure good technique is used to avoid holding / touching sharp points.	2	1	2	L	
Glass cover slips & slides	Cuts	Handling & preparing slides	Ensure good technique is used, Take care when handling slides / cover slips to avoid any possible sharp edges.	2	1	2	L	
Iodine	Splash to eyes / skin irritation	Staining of onion cells.	The wearing of safety goggles is mandatory during practical activities in the laboratory. Only weak solution of iodine is used, any splashes to skin should be washed off immediately.	1	2	2	L	
Sun	Eye injury	Using the sun as a light source.	Do not use the sun as a light source, use only the lamps provided.	1	3	3	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		
Lamps	Electrical	General use of lamps.	Use only proprietary lamps designed for Labs and school / college use. Lamps are regularly P.A.T. tested for electrical safety.	1	1	1	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>Dr. Diana Wassell</b>	Position :	<b>Biology / Human Biology Lecturer</b>
Date of Assessment :	<b>17 September 2007</b>		
Signed :			

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