

Science Practical Risk Assessment

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| School of Maths & Science | Practical Activity Title Velocity of sound using a resonance tube <small>(MAS_SP_6022_velocity_of_sound_using_a_resonance_tube)</small> | Risk Assessment No. MAS_RA_6022_velocity_of_sound_using_a_resonance_tube | |
| Location | Physics Lab. NB231 | | Revision level: 1 |
| Assessment Performed By | Dr Lisa Jenkins | Signature: | Date: 05-May-09 |
| Supported By | Gareth John | Signature: | Date: 05-May-09 |
| Approved By | Kelly Gay (H.o.S.) | Signature: | Date: 05-May-09 |
| 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 | | |
| General hazard | Injury due to slipping on water on floor. | Leaning over measuring cylinder to take readings. | Students told to take care. Lecturer and technician on hand to deal with spillages immediately should they occur. | 2 | 1 | 2 | L | |
| General hazard | Tripping | Students walking around laboratory | Bags, coats and stools to be placed under benches. | 2 | 2 | 4 | L | |
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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).

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| Assessment performed by : (Please Print Name) | Dr. Lisa Jenkins | Position : | Subject Leader / Lecturer of Physics |
| Date of Assessment : | 5th May 2009 | | |
| Signed : | | | |

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