



Science Practical Risk Assessment

| | | | | | |
|--------------------------------------|---|--|---|-------|-------------------|
| School of Maths & Science | Practical Activity Title | Newton's second law (MAS_SP_6014_newtons_second_law) | Risk Assessment No. MAS_RA_6014_newtons_second_law_afan | | |
| Location | AA022 | | | | |
| Assessment Performed By | Jane Morgan | Signature: | | Date: | 13.07.2007 |
| Supported By | | Signature: | | Date: | |
| Approved By | Brian Harris (H.o.S.) | Signature: | | Date: | 13.07.2007 |
| 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 toppling of retort stand. | Knocking over stand | Retort stands must be stabilized using a 5kg mass | 2 | 1 | 2 | L | |
| General hazard | Tripping | Students walking around laboratory | Bags, coats and stools to be placed under benches. | 2 | 2 | 4 | L | |
| Electrical Hazard | Shock | Connecting circuit for timer and light gates | Circuit connected by lecturer. Students do not handle electrical apparatus. Equipment regularly checked by PAT testing. | 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 AA021, Biology AA023, and Chemistry AA019).

| | | | |
|--|-----------------------|------------|--|
| Assessment performed by : (Please Print Name) | Jane Morgan | Position : | Assistant Afan Campus Manager/ Physics Lecturer |
| Date of Assessment : | 13th July 2007 | | |
| Signed : | | | |

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