



**STFC Risk Assessment for Young Persons under 18. Last Updated: 10 Mar 2010**

**Type of Activity:** School visits for Particle Physics MasterClass, Mar 17-19 2010

Assessed by: Dr.W.G Scott (PPD) to comply with H&S (Young Person) Regulations 1997.

**Section A: To be completed by Education Liaison Team**

**Student :**

**Age:** 16-18

**Supervisor:** Jo Lewis

**Department:** Science in Society

**Establishment:** STFC, Rutherford Appleton Laboratory, Chilton, Didcot, OX11 0QX

**Is student under Minimum School Leaving Age?:** No

**Medical Conditions we are aware of e.g. asthma, allergies:** Known to accompanying teachers

**Section B: To be completed by the supervisor**

Take into account the lack of experience, awareness and maturity of the students, and any allergies.

**HAZARDS (Things with the potential to cause harm)**

Roads- Unfamiliar traffic conditions

Industrial traffic such as lorries and fork lift trucks active on site

Trip Hazards/ Stairs

Fire Hazards/ Electrical equipment

Computer Display Equipment

Exhibit materials

Lighting and loud noises from presentations, Fire-bell, klaxon

Food allergies, also phobias, e.g. of crowds, open or confined spaces

ISIS/Diamond Tours: Low levels of Radiation from ISIS

**RISKS (The likelihood of harm occurring)**

Low

**CONTROL (Steps to be taken)**

Students will be instructed to observe all warning signs and notices in a safety briefing given prior to presentations.

Explanations will be given on the procedures to follow should any alarm sound. e.g. Fire-bell - exit building, Klaxon - stay inside building.

No running on site

Use pedestrian walkways

No smoking on site in or near (>10m) to buildings.

Use of computer displays at this event is limited to approx. 90mins per student.

Display materials to be handled only under strict supervision by RAL staff.

Students are to be supervised at all times by both teachers and RAL staff

ISIS is a radiation controlled area with full monitoring and safety control measures in place. People under the age of 16 or pregnant ladies are not permitted in the ISIS experimental hall. We must be made aware if any visitors to ISIS have pacemakers

**Fire, Ambulance and First-Aid services are available by dialling Ext 2222 on a laboratory phone or 01235-77-8888 on a mobile.**

Occupational health on site (Dial Ext 6666) can deal with minor illness or accidents.

**POSSIBLE RISKS**

Chemicals/substances	Burns and poisoning
Cleaning	Slipping and allergies
Cold surfaces	Burns
Confined space	Lack of oxygen
Electricity	Shock
Fire	Burns
Hand tools	Cuts
Height	Falling
Hot surface	Burns
Lighting	Slips, trips and falls
Manual Handling	Back strain
Noise	Hearing problems
Non-ionising radiation	Eye damage
Operation of vehicles	Being run over
Stacking equipment	Falling and back trouble
Stored energy	Explosions
Trailing cables	Tripping
Vibration	Circulation damage
Water	Drowning and slipping

If you need any other information about the Young Person's Risk Assessment contact:

Health and Safety ext 5430 or Education and Public Liaison ext 5789