

Risk Assessment Form for School visits ([LINK](#))

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Date: (1)	Assessed by: (2)	Validated* by: (3)	Location: (4)	Assessment ref no (5)	Review date: (6)
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Task / premises: (7)
 Visit of XXN^oXX members of staff & students to xxx school (XX pupils age range 16 –18)
 (Supervision ratio = :)

Activity (8)	Hazard (9)	Who might be harmed and how (10)	Existing measures to control risk (11)	Risk rating (12)	Result (13)
Transport of items from University to School	Packing and unpacking car: Equipment and flies / microscope s and associated equipment	Volunteers involved - muscular skeletal injuries, crush injuries to feet	Any of those who have not be trained in aspects of manual handling will be briefed by the experienced staff involved. The volunteers are very experienced in the running of this type of activity. Those involved wear robust footwear of the type that completely encloses the foot. All equipment and the flies are be packed in suitable crates. Trolleys are used to transport the equipment between vehicles and venue.	Low	A
Volunteers in the school	Unfamiliarit y with emergency procedures (first, first aid etc.)	Volunteers involved - not being able to evacuate the building in a timely fashion, unable to access first aid treatment	Staff at the school will brief the volunteers on arrival	Low	A

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Activity (8)	Hazard (9)	Who might be harmed and how (10)	Existing measures to control risk (11)	Risk rating (12)	Result (13)
Activity: Action Potentials and Seizures Pupils heavily shake bang-senseless mutant flies which fall into seizure and keep shibire ^{ts} flies under their arm pit until they paralyse. Materials and equipment required XXN ^o XX vials with 10-15 live bangsenseless mutant flies in each. XXN ^o XX vials with 10-15 live shibire ^{ts} flies in each.	Breakage of the vial and flies escaping	Teachers, pupils, volunteers	All pupils will be supervised by teachers and volunteers Mutant Flies do not bite and will not survive or mate in the outside environment The fly food in the vials is not harmful to humans All vials closed with cotton wool and sealed with a sticky tape A clean-up kit and biohazard bag in case of vial breakage will be provided by the volunteers.	low	A
Activity: Genetic Markers Pupils look at frozen down fly specimens in 5cm diameter plastic petri dishes through mini	Microscope falling	Volunteers and pupils are at risk of falling microscopes.	All pupils to be supervised by teachers and volunteers. Microscopes are very light and battery powered. Microscopes will be put in a safe position on tables to	low	A

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Activity (8)	Hazard (9)	Who might be harmed and how (10)	Existing measures to control risk (11)	Risk rating (12)	Result (13)
<p>stereomicroscope.</p> <p>Materials and equipment required: 25 Mini –battery powered microscopes Plastic petri dishes with frozen down fly specimens:</p>			<p>eliminate the risk of falling</p> <p>Petri dishes are made from plastic to avoid risk of injury. Teachers and volunteers will supervise pupils when looking down the microscope</p>		
<p>Activity: <u>Testing motor skills (fly climbing wall)</u></p> <p>Test whether young or aged flies are fitter by watching them crawl up plastic vials</p> <p>Materials & equipment required:</p> <p>Materials & Equipment: Plastic vials containing wild type flies, timer,</p>	<p>Breakage of the vial and flies escaping</p>	<p>Volunteers and pupils at risk of slips, trips and falls – at risk of musculoskeletal injury from trailing cables and obstructions.</p>	<p>All vials sealed with sticky tape</p> <p>All electrical equipment is PAT tested and will to be put in a safe position on tables by volunteers to ensure no risk of falling. All cables will be taped to prevent risk of trips</p>	<p>low</p>	<p>A</p>

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Activity (8)	Hazard (9)	Who might be harmed and how (10)	Existing measures to control risk (11)	Risk rating (12)	Result (13)
<p>printer, laptops x2, hand held camera, XXN^oXX Tape dispensers, XXN^oXX cardboard fly walls</p> <p>Activity: How to study nerve cells in our brain Optogenetics</p> <p>Demonstrator shines hand held 470nm LED at wild type and mutant maggots expressing channelrhodopsin in their nervous systems.</p> <p>Materials & Equipment: Hand-held 470nm LED mutant maggots in vials (5-6), large screen</p> <p>Stereomicroscope with camera, black centrifuge tube lids on pertri dish.</p>		<p>Dangers of the 470 nm LED to your eyes</p>	<p>Only the demonstrator will shine the 470nm LED 470nm LED is not dangerous to the eye. It may get hot to the touch, it should not get hot enough to touch; this will be monitored by volunteers.</p> <p>Vials of maggots will be closed off with cotton wool and sticky tape.</p>		

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