



Main School Risk Assessment

Risk analysis matrix

Likelihood	5	5	10	15	20	25
	4	4	8	12	16	20
	3	3	6	9	12	15
	2	2	4	6	8	10
	1	1	2	3	4	5
		1	2	3	4	5
		Severity				

Risk analysis matrix key

Likelihood	
1	Improbable
2	Possible
3	Occasional
4	Frequent
5	Common

Severity	
1	None
2	Minor Injury (cuts, bruises, sickness, diarrhoea, head aches, temporary eye injuries, temporary emotional or psychological distress etc.)
3	Major Injury (lacerations, broken bones, blindness, lasting illness, brain damage, lasting emotional or psychological distress, amputation, burns, organ damage etc.)
4	Death
5	Major Incident (major injury or death of multiple people)



Activity / Item / risk	Description of the initial risk before any mitigation processes	Who may be impacted?	Likelihood	Severity	Risk	What is being done in way of mitigation?	Mitigated likelihood	Mitigated severity	Mitigated risk	Assessment officer
Legionella	The tropical house has 3 indoor ponds with a connecting stream and a waterfall, where water temperatures may reach as high as 30 degrees c on a hot summers day during the lunch time temperature peak.	<ul style="list-style-type: none"> - Staff - Visitors - Volunteers - Contractors 	3	5	15	<p>Legionella testing carried out by a specialist lab annually.</p> <p>Fencing up to discourage people to try and touch the water in the ponds, waterfall or streams.</p> <p>Water is constantly moving through the movement of live fish in the ponds as well as the pump system which keeps it flowing.</p> <p>Water is run through a biological filter system.</p> <p>Water is aerated through the use of a waterfall.</p> <p>Temperatures of the air and water fluctuate throughout the day and night as well as through the seasons so that water temperatures do not remain at a steady high temperature like they might in a hot water system.</p> <p>Tropical house temperatures are monitored daily.</p>	2	2	4	MW
Movement around the tropical house	In order to participate in this experience, some movement around an enclosure with rocks, plants and water features may be required.	<ul style="list-style-type: none"> - Staff - Experience participant - Non-participant group members - Volunteers - Contractors 	3	4	12	<p>Whilst the main enclosure reserved for the animals has a natural and uneven substrate, visitors are restricted to the footpaths which are smooth, solid and have a clear fence separating the paths from the animal areas.</p> <p>Animals have plenty of areas available to them which the public cannot access.</p> <p>The footpaths are cleared and cleaned daily before the tropical house is opened and staff who are supervising clear anything from the paths as they move around the building.</p> <p>The water features are fenced off.</p>	1	4	4	MW
Non-Participant group members present for lorikeet feeding	There are 2 ways in which non-participants in the feeding may be found in the exhibit. The first is that a group of 4 people for example may buy just 1 pot of feed to share between them, while on the other hand for the opening times	<ul style="list-style-type: none"> - Staff - Experience participant - Non-participant group members - Other park visitors 	5	2	10	<p>Staff patrol the inside of the tropical house while the feeding sessions are active to supervise the birds and visitors alike.</p> <p>The birds are motivated by the feed and as such when a member of the public does not have any feed pots they generally do not land on people.</p>	2	2	4	MW



	the exhibit is open as a walk through enclosure as it always has been meaning that even if people do not buy lorikeet feed, they may visit the enclosure.	- Tropical house birds - Other animals - Volunteers - Contractors - the wider community				Signs around the exhibit explaining that the birds can bite to try to deter people from touching the birds or encouraging them on to them when they do not have their own feed. CCTV in operation at all times and visible from at least 2 places where it can be monitored.				
Participant contact with feed items for lorikeet feeding	Participants are given the liquid nectar feed in a small plastic cup. We make the nectar on site using the following ingredients, some of which contain allergen raw materials: <ul style="list-style-type: none"> • Glucose powder • Baby porridge • Vitamin powder • Spanish paprika • Bee pollen • Demerara sugar • Honey • Golden syrup • Black treacle • Cod liver oil • Summer fruit juice concentrate • Water 	- Staff - Experience participant - Non-participant group members - Other park visitors - Tropical house birds - Other animals - Volunteers - Contractors - the wider community	2	4	8	The feed is made up fresh each day by the people selling it and as such they are able to tell members of the public what goes in to the feed. It is a non-commercial recipe that is difficult to reproduce meaning that people are not able to bring their own and if they tried it would be easy for us to tell. Staff patrol the inside of the tropical house while the feeding sessions are active to supervise the birds and visitors alike. In case of visitors having very severe or contact allergies an ingredients list is available to them. It is intentionally kept vague in terms of quantities to ensure that people are not able to replicate or guess the recipe. A copy of this is shown at the end of this document. Each visitor is shown exactly how to feed and hold the feed pots at the time of purchase. CCTV in operation at all times and visible from at least 2 places where it can be monitored. Signs around the exhibit explaining that the birds can bite to try to deter people from touching the birds.	1	4	4	MW
Participant contact with lorikeet faeces during lorikeet feeding	The lorikeets are fed using a liquid nectar feed and when giving this to the birds, they will land and sit on the participants hand. At this point there is a chance that the birds may defecate on the person doing the feeding. Due to being on a predominantly liquid diet they have very water stool.	- Experience participant - Non-participant group members	3	3	9	See zoonotic disease infection for more details. Participants are told to wash their hands after doing any feeding with the handwash facilities located close to the exit attached to the outside of the catering outlet outside the tropical house entrance. These birds produce a fairly liquid faeces due to their diet which as a result also comes out backwards with a little distance and as such they rarely defecate on to what they are sitting on however if this	2	2	4	MW



						does happen it is in fairly small volumes. Staff who are supervising the exhibit are also constantly cleaning, especially before it opens to try and make sure that surfaces do not have faeces on them.				
Participant contact with lorikeets for lorikeet feeding	The lorikeets are fed using a liquid nectar feed and when giving this to the birds, they will land and sit on the participants hand.	- Experience participant - Non-participant group members - Lorikeets	2	3	6	See zoonotic disease infection for more details. Participants are told to wash their hands after doing any feeding with the handwash facilities located close to the exit attached to the outside of the catering outlet outside the tropical house entrance.	2	2	4	MW
Penguin enclosure - Access via and around raised ramp	To gain access to the pool it is required for people to use a wooden ramp	Visitors Staff Contractors Volunteers	5	3	15	During cold weather, sand is spread to remove ice hazards, if this is ineffective the pool is shut off Slope at a low gradient to allow wheelchair access One way system to allow easier access	1	3	3	HC
Penguin enclosure - Visitors walking through a low intensity lighting setup corridor in nocturnal house	The visitors to the nocturnal house travel along the exhibit by walking along a winding corridor in low lighting levels. The construction of the path is a mixture of wood, glass and aluminium sheeting. There are 3 sets of doors in this area with the final one having plastic sheeting hanging down in front of it.	Visitors Staff Volunteers Work Experience Contractors	3	5	15	The lighting is not completely turned off with low level white lighting still being operational in the enclosures. The signage is also lit up which illuminates the pathway very well. Lighting turns off 10 minutes before the park opens to the public to ensure that there are no instances where the light suddenly goes off with people in there as it will take a little while for most peoples eyes to adjust. People are pre-warned about the dark nature of the exhibit using a sign on the door. The walls are straight and without any major protrusions with all corners being smoothed off. There are no steps and where these have been replaced in areas with a change in elevation there may be a very gentle slope. Should we lose power while we are open there are 2 fail safes which is that either the generator will turn the power back on or if there is a power failure at the building, the emergency lighting will come on automatically in the corridor. No hazardous tools or equipment are stored in the visitor area or along any staff corridors.	1	2	2	MW



Proximity of deep water	The pool of the penguin has a depth of 4ft to 6ft with a keeper access path between the pool and visitor standoff barrier	Visitors Staff Contractors Volunteers	4	4	16	Push off barrier between public and water Deep water signs Life ring Especially during busy periods there is always nearby supervision Members of staff working alongside the pool must be able to swim Ledge all the way around for people to hold on to in the event of a fall Offer a change of clothing if someone falls in to pool and a suitable change of clothes is available.	1	4	4	HC
Reptile house - Contact with reptile and amphibian faeces	Contact with reptiles, and especially their faeces is a common route to infection of several zoonotic infections, such as with salmonella and campylobacter.	Staff Work experience Volunteers Contractors Visitors	3	5	15	We do not have any animal handling sessions for reptiles. Visitors are not able to gain access to animals, their exhibit or their faeces with the exception of very small droppings which could appear from free roaming house geckos and anoles. Areas outside of exhibits, such as where free roaming animals may be present, are routinely cleaned. Our staff and volunteers have hand washing facilities available to them inside the reptile house to be used regularly throughout their working day.	1	5	5	MW
Reptile House - Glass viewing windows for reptile enclosures	When enclosures are closed, to allow for easy viewing of the reptiles inside them the front of the exhibit is covered in a glass window.	Staff Work experience Volunteers Contractors Visitors	2	3	6	The glass throughout the exhibit is double layered laminated safety glass as advised and installed by a specialist glass installer.	1	2	2	MW
Reptile House - Glass viewing windows for reptile enclosures	When animals are being cleaned out the glass doors swing open into the corridor and may be difficult to see for people walking around.	Staff Work experience Volunteers Contractors Visitors	3	3	9	The glass throughout the exhibit is double layered laminated safety glass as advised and installed by a specialist glass installer. Any member of staff carrying out work which involves opening an enclosure into the public corridor is to use a safety barrier around them to keep visitors back from the enclosure. All enclosures are locked shut using 2 locks. This ensures that the enclosures cannot open by accident and even if 1 lock fails, there is always a backup lock to keep it secured.	1	3	3	MW
Reptile House - Sharp wooden corners and edges	Due to the way in which the building has been cladded, the decorative finish of the walls leaves half rounds on the bottom half of the walls	Staff Work experience Volunteers Contractors Visitors	4	2	8	All corners which protrude out from the wall are cut to either a 45 degree angle (or less) or rounded off completely to ensure that people do not get hurt on these. If	2	2	4	MW



	and cladding on the top part. This means that there may be sharp edges or corners in some of the areas where there is a transition between the 2 materials.					there is a corner which is set back from the outer limit of that section of the wall, the angle may be as much as 90 degrees as there will be no risk of the person scraping against this area directly. Nothing protrudes out from the walls at eye level.				
Reptile House - Slippery floor in the visitor space	The floor is concrete throughout and may from time to time get small patches of water from condensation, moving water around the building when watering and cleaning animals / enclosures or emptying enclosure pools.	Staff Work experience Volunteers Contractors Visitors	2	3	6	The visitor corridor has a concrete floor which has not been polished. All pieces of equipment which may flood are in keeper access only areas and should not flood in to the visitor corridor. If flooding is severe we are able to close the building or if there is a mild risk from a little water we are able to put out signage to warn of such a risk. Any member of staff carrying out work which involves opening an enclosure into the public corridor is to use a safety barrier around them to keep visitors back from the enclosure and by proxy also keeping them away from the areas most likely to have splashes of water on the ground. Due to the warm temperature in the building, the floor dries quickly.	1	3	3	MW
Reptile house - Temperature	Due to the nature of the exhibit and the animals which live in this area, the building is kept at a warm temperature throughout the whole day. While exhibits may have temperatures of around 33° the ambient temperature may be up to 28°.	Staff Work experience Volunteers Contractors Visitors Animals	2	4	8	The house only houses enough exhibits as to require around 15 minutes to view them all and as such, people do not need to spend a long time in the building. Staff are reminded to keep hydrated and are required to take their lunch and coffee breaks in an area outside the reptile house. Staff are also free to exit the reptile house at any time to get some fresh air if required. The kitchen, where most of their work is carried out is usually cooler due to the presence of the frog room which is kept at a temperature of 22 - 24 degrees during the day.	2	2	4	MW
Vehicle - Carryall 700 electric vehicle	We have an electric vehicle based on a model of golf club grounds management vehicle which may be used by our keepers when carrying out some of their tasks.	Visitors Other members of the public Staff Volunteers Students Contractors	3	4	12	Only trained members of staff to drive this vehicle, with this training being vehicle specific. A safe working procedure is in place which is to be signed off after training. Maximum speed inside the park to be 10mph.	1	4	4	MW



						Speed limit in the car park (with signs informing people of this) is 5mph. When the park is busy the vehicle must be accompanied by at least 1 member of staff spotting from in front of the vehicle and aiding with gate access. Pedestrian staff have basic training during their induction which covers being aware of moving vehicles in the service yard, which is also information passed on to volunteers, contractors and visitors to the area (such as officials from the council, veterinarians etc.). Vehicle limited to 17mph. Vehicle only to be used by people with a driving license (with both car and motorcycled licenses being acceptable).				
Vehicle - Carryall 700 petrol vehicle	We have a petrol-powered vehicle based on a model of golf club grounds management vehicle which may be used by our maintenance staff when carrying out some of their tasks.	Visitors Other members of the public Staff Volunteers Students Contractors	3	4	12	Only trained members of staff from the maintenance team to drive this vehicle, with this training being vehicle specific. The maintenance team regularly drive vehicles in and around the park and as such a separate safe working procedure for them is not in place. Maximum speed inside the park to be 10mph. Speed limit in the car park (with signs informing people of this) is 5mph. When the park is busy the vehicle must be accompanied by at least 1 member of staff spotting from in front of the vehicle and aiding with gate access. Pedestrian staff have basic training during their induction which covers being aware of moving vehicles in the service yard, which is also information passed on to volunteers, contractors and visitors to the area (such as officials from the council, veterinarians etc.). Vehicle limited to 17mph. Vehicle only to be used by people with a driving license (with both car and motorcycled licenses being acceptable).	1	4	4	MW
Vehicle - Dumper	A dump truck, of 2 different sizes is used by our maintenance staff to carry out some tasks in the service yard, car park and inside the park grounds such as moving	Visitors Other members of the public Staff Volunteers Students	2	5	10	Only trained members of staff to drive this vehicle, with this training being vehicle specific. Basic training is carried out by maintenance staff competent in their use, however people may not	1	4	4	MW



	refuse and delivering / removing wood chips to and from enclosures around the park in large quantities.	Contractors			8	drive vehicle unassisted or unsupervised until they have been passed and certified by an outside body. Maximum speed inside the park to be 10mph. Speed limit in the car park (with signs informing people of this) is 5mph. When the park is busy the vehicle must be accompanied by at least 1 member of staff spotting from in front of the vehicle and aiding with gate access. Pedestrian staff have basic training during their induction which covers being aware of moving vehicles in the service yard, which is also information passed on to volunteers, contractors and visitors to the area (such as officials from the council, veterinarians etc.).			4	
Vehicle - Cars and vans driven by contractors	Some times it may be necessary for a contractor to drive a small vehicle such as a car or van in to the park to help them carry out their work.	Visitors Other members of the public Staff Volunteers Students Contractors	2	4	8	Maximum speed inside the park to be 10mph. Speed limit in the car park (with signs informing people of this) is 5mph. When the park is busy the vehicle must be accompanied by at least 1 member of staff spotting from in front of the vehicle and aiding with gate access. Pedestrian staff have basic training during their induction which covers being aware of moving vehicles in the service yard, which is also information passed on to volunteers, contractors and visitors to the area (such as officials from the council, veterinarians etc.).	1	4	4	MW
Vehicle - Cars and vans driven by staff	Some times it may be necessary for a member of our staff to drive a small vehicle such as a car or van in to the park to help them carry out their work.	Visitors Other members of the public Staff Volunteers Students Contractors	2	4	8	Only members of the team with a suitable driving license to drive a van or car in the park, with this license replacing the basic safety training for the other more specialised vehicles. Maximum speed inside the park to be 10mph. Speed limit in the car park (with signs informing people of this) is 5mph. When the park is busy the vehicle must be accompanied by at least 1 member of staff spotting from in front of the vehicle and aiding with gate access. Pedestrian staff have basic training during their induction which covers being aware of moving vehicles in	1	4	4	MW



						the service yard, which is also information passed on to volunteers, contractors and visitors to the area (such as officials from the council, veterinarians etc.).				
Vehicle - Excavators	The park has access to a couple of different sized excavators which can be used for different tasks.	Visitors Other members of the public Staff Volunteers Students Contractors	3	5	15	<p>Only trained members of staff to drive this vehicle, with this training being vehicle specific. Basic training is carried out by maintenance staff competent in their use, however people may not drive vehicle unassisted or unsupervised until they have been passed and certified by an outside body.</p> <p>When the park is busy the vehicle must be accompanied by at least 1 member of staff spotting from in front of the vehicle and aiding with gate access.</p> <p>Pedestrian staff have basic training during their induction which covers being aware of moving vehicles in the service yard, which is also information passed on to volunteers, contractors and visitors to the area (such as officials from the council, veterinarians etc.).</p> <p>Excavators cannot exceed our 10mph speed limit within the park. Speed limit in the car park (with signs informing people of this) is 5mph.</p> <p>When in use in the park around the public, excavators are always to be shut off with fencing or have a spotter present outside the vehicle.</p>	1	5	5	MW



Lorikeet nectar raw ingredients

****Not meant for human consumption****

Acesulfame K, anthocyanins, apple juice, banana flakes, bee pollen, biotin, calcium, cane mollases, cherry juice, choline bitartrate, cobalt, coconut oil, copper, dextrose monohydrate, **fish oil**, folic acid, fructose, glucose, honey, iodine, iron, iodine, magnesium, manganese, milled corn, milled rice, niacin, pantothenic acid, partially inverted refiners syrup, pyridoxine, potassium sorbate, raspberry juice, riboflavin, selenium, **skimmed milk**, sodium citrate, sodium metabisulphite, solanaceae peppers, **soy lecithin**, sugar, **sulphur**, sunflower oil, rapeseed oil, strawberry juice, sucralose, sucrose, sunflower oil, thiamine, vitamins (A, B1, B12, C, D3, E, K) water, zinc

****Prepared in a kitchen where seeds & nuts are handled****