

RISK ASSESSMENT – DNA DETECTIVES WORKSHOP

ACTIVITY:	THE DNA Detectives – To Catch a Thief - workshop	DATE:	12.9.17
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PERSONS AT RISK- AFFECTED BY ACTIVITY:	Persons attending the workshop	NUMBER	0 - 200
ANY VULNERABLE PERSONS AFFECTED BY ACTIVITY:	Children	NUMBER	0 - 200

POTENTIAL HAZARDS		Assessment of Risk		
REF.		Low	Med	High
1	Trip hazards on the set or when putting on forensic overalls	x		
2	Popping balloon	x		
3	Latex allergies to gloves and balloon	x		
4	Use of boards to put the evidence (DNA profiles on) – could fall over and hit a child	x		
5	Use of projector, laptop and screen during performance – electrical & trip hazard.	x		
6	Ensure children don't eat or drink the props used to demonstrate different biological items e.g. bogies, blood etc.	x		
7	Possible allergy to sand, sugar, coffee and raisins used in prop to indicate size of DNA	x		
8	Use of paperclips when making electromagnet possible choking hazard.	x		
9	If the magnet is left turned on for more than 10 seconds or so the wire will get hot. This could cause a burn or even cause the insulation to melt.	x		

EXISTING CONTROL MEASURES	
1.	Check set to ensure there are no hazards which children could fall over. Make sure children remain at the front of the set and sit on the floor to put on their forensic overalls. Make sure children are closely supervised when on the set.
2.	Ensure balloon is popped safely by pressing a pen into it, not by jumping on it which could end up with an individual falling down. Explain to individuals how to safely pop the balloon.
3.	Always use non-latex gloves. Check whether any of the children have a latex allergy. If they have the balloon can be removed from this section of the workshop.
4.	Ensure all boards used in a performance are securely propped against a table. Ensure children do not touch them.
5.	All electrical items used in the performance should be PAT tested. Ensure wires are tucked away to avoid trips. Keep children away from screen.
6.	Children should be supervised for this section. All items used are non-toxic i.e. poo is made from plasticine, blood and urine from food dye and water, bogies made using Vaseline. All tubes should be sealed using parafilm to avoid leaks and spillages.
7.	Sand, sugar, raisins and coffee will only be held by me during performance. Children do not come in contact with them. If any of the children have severe allergies to these items alternatives can be used.
8.	Children should be closely supervised when carrying out this activity
9.	This activity should be closely supervised and children made aware that the magnet will get how. The magnet should only be turned on for a few seconds at a time. Children should be reminded to careful when picking up the magnet as it may be hot. When the

CONTROL SHEETS & FORMS

activity is over the magnets should be moved out of sight by the presenter to avoid children touching them.
10. A first aider should be present in case of an accident.
11. A first aid kit should be available if required

INITIAL ASSESSMENT OF OVERALL RISK	LOW	X	MEDIUM		HIGH	
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RISK RATING = SEVERITY x LIKELIHOOD		
Rating	SEVERITY of injury/disease	LIKELIHOOD of occurrence
HIGH	Fatality; major injury or illness causing long term disability	Certain or near certain to occur
MEDIUM	Injury or illness causing short term disability	Reasonably likely to occur
LOW	Other injury or illness	Unlikely to occur

ADDITIONAL CONTROL MEASURES - (IF APPLICABLE)	PERSON RESPONSIBLE FOR IMPLEMENTATION	COMPLETION DATE
None required		

Note: Re-assessment required if overall residual risk

RESIDUAL ASSESSMENT OF OVERALL RISK	LOW	X	MEDIUM		HIGH	
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ADDITIONAL INFORMATION: (Notes, comments, further details, outline procedures, safe systems of work, standards, drawings, etc.)
All electrical items are PAT tested and the set is checked to ensure there are no trip hazards. Non latex gloves are used to avoid allergies and checks made as to whether any children have allergies to the balloon – if necessary this can left out of the performance. All props on set must checked to ensure they will not fall over. All props used for demonstration of biological materials are non-toxic. Children will be closely supervised at all times to avoid choking and instructed on how to safely use electromagnets. With these precautions in place this workshop is considered low risk.

Signature of responsible person:		Date:	
		12.9.17	
Assessor:	Mandy Hartley	Signature:	
Date Assessed:	12.9.17	Review Date:	12.9.18

