

NATIONAL UNIVERSITY OF SINGAPORE

Activity-Based Risk Assessment Form


Name of Department Physics Location of Lab Department
 Name of Laboratory Department Name of PI Dr Nidhi Sharma
 Name of Researcher/LO Wu Tong Meng Samuel Name of Activity/Experiment Physics Enrichment Camp 2016

No	Description/Details of Steps in Activity	Hazards	Possible Accident / Ill Health & Persons-at-Risk	Existing Risk Control (Mitigation)	Severity	Likelihood (Probability)	Risk Level	Additional Risk Control	Person Responsible	By (Date)
1	Registration	Slipping when there is rain water on the floor of LT	Students and staff	Cleaners on standby to clear rain water. All minor cases will be attended by first aider. Sick participants will be treated at NUS Wellness Centre. Severe cases will be treated at NUH A&E.	1	1	1	NA		
2	Lecture 1	Steep sloping stairs in LT, falling	Students and staff	MC to remind students of orderly movement	1	1	1	NA		
3	Lecture 2	Steep sloping stairs in LT, falling	Students and staff	MC to remind students of orderly movement	1	1	1	NA		
4	Lecture 3	Steep sloping stairs in LT, falling	Students and staff	MC to remind students of orderly movement	1	1	1	NA		
5	Activity 1 - Water Rocket	Sharp edges of the scissors	Students	Instructors to monitor and advise students	1	1	1	NA		
6	Activity 1 - Water Rocket	Air-pumped bottle	Students	More durable bottle used	1	1	1	NA		
7	Activity 2 - Electro-magnetic Train	Sharp edges of copper wires	Students	Students to be shown how to fabricate coil	1	1	1	NA		
8	Activity 2 - Electro-magnetic Train	Heat from copper wire due to battery short circuit	Students	Instructors to show procedure of removing battery in cases of batteries getting stuck in the coil.	1	1	1	NA		
9	Activity 3 - Surface Tension	Detergent Solution	Students	Students with allergy will be given gloves	1	1	1	NA		
10	Activity 4 - Helping Adrain	Sharp multimeter probes	Students	Proper instructions to students on use of multimeters	1	1	1	NA		
11	Activity 5 - Spectrometer	Sharp edges of scissors	Students	Proper instructions to students on the method of cutting.	1	1	1	NA		
12	Activity 5 - Spectrometer	Sharp edges of cut DVD	Students	Proper instructions to students on the method of cutting.	1	1	1	NA		
13	Activity 6 - Astrophysics	Direct view of the sun	Students	Instructors to highlight risk and safeguard with constant monitoring.	1	1	1	NA		
14	Activity 6 - Astrophysics	Heavy weight of telescopes	Students	Instructors ensure telescopes are mounted securely	1	1	1	NA		
15	Activity 7 - Bridging	Splinters from wooden blocks	Students	Use only wooden blocks with smoothen surfaces	1	1	1	NA		
16	Quiz	Steep sloping stairs in LT, falling	Students	MC to remind students of orderly movement	1	1	1	NA		

Conducted By: Wu Tong Meng Samuel

Approved By

Name: Dr Nidhi Sharma

Signature: 

Approval date: 20-May-16

Next Revision date: 20-May-19
(Maximum 3 years)