

Hazard Register: MASH Tough Kid
Organisers: Primary Sports Canterbury
Report prepared: Georgia Thomson
Updated By: Georgia Thomson (25 th November 2022)
Event Date: Wednesday 7 th December & Thursday 8 th December, 9:00am start
Rain Date: Friday 9 th December, 9:30am start (One rain date only)
Pack-In/Out: 6 th December to 10 th December 2022
Document is "Live" and updated as and when required
TABLE OF CONTENTS
1. General Site/ Infrastructure / Audience Area
1.1 General Ground Conditions
1.2 External Spaces
1.3 Internal Spaces
1.4 Ingress / Egress - Vehicle / Pedestrian
1.5 Signage / Barriers
1.6 Property Damage
2. Traffic Management
2.1 Vehicle movement timings on ingress / egress
2.2 Vehicle movement on site
2.3 Emergency Vehicle movement facilitation
3. Course General
3.1 General Hazards throughout the course
4. Course Obstacle Specific
4. Course Obstacle Specific
4.1 Start
4.2 Crash Pad Climb
4.3 Tyre Temple
4.4 Stump in the Road
4.5 Blow up
4.7 Tunnel of Darkness
4.8 Spider web
4.9 Knees Up
4.10 Road Block

4.11 Stop Bank Run
4.12 Boardwalk
4.13 Trolls Bridge
4.14 Tyre Mud Challenge
4.15 Mud Hole
4.16 Walk the Plank
4.17 Mud Crawl Frame
4.18 Cargo Crawl
4.19 Gunge or foam – Water slide
4.20 Bubble Bath
4.21 Hose down
4.22 Finish
5. Event Management
5.1 Staffing levels
5.2 Evacuation procedures
5.3 Audience profile / behaviour
5.4 Communication Failure
5.5 Stakeholders
6. Earthquake, Fire & Tsunami
6.1 Earthquake
6.2 Tsunami Emergency
6.3 Fire
7. Weather
7.1 Fine weather
7.2 Inclement Weather
7.3 Natural Disaster
8. Welfare
8.1 Lost Children
8.2 Toilet Facilities

8.3 Staff Welfare / Fatigue							
8.4 Medical Situation							
8.5 Stranger Danger							
9. Environmental Hazards							
9.1 Waste Disposal							
Risk assessment							
Area	Likelihood	Impact	Eliminate	Control Measures	Responsibility	Check	Completed
Hazard Detail			Minimise			Frequency	Date Initial
1. General Site/ Infrastructure / Audience Area							
1.1 General Ground <i>Conditions Slips, trips, falls, etc</i>	5	2	Minimise	Park regularly utilised by public for events and full public access. All introduced elements will be done so in a safe manner, minimising risk as per Section 11	Course Manager	Prior to public entry	
1.2 External Spaces <i>Ingress/Egress/Site capacity, ease of access to/from event site, overcrowding</i>	3	2	Minimise	Expansive site with multiple points of entry/ exit. Estimated audience numbers well within perceived site capacity. Limited to 1,500 per race. All introduced elements will be done so with these hazards in mind, and relevant control Measures implemented – refer Section 11	Event Director	Duration of Event	
1.3 Internal Spaces <i>Ingress/Egress/Building capacity, ease of</i>	2	2	Minimise	Limited internal facilities (Marquee & portaloos) Marquees (changing rooms	Event Director	Duration of Event	

<i>access inside / outside, overcrowding</i>				will be monitored by Sport Canterbury staff) access to internal facilities. Multiple entry/exit points out of marquee. Estimated audience numbers well within perceived site capacity (1,500 per race) All introduced elements will be done so with these hazards in mind, and relevant control measures implemented - refer Section 11			
1.4 Ingress / Egress - Vehicle / Pedestrian <i>Mingling of vehicle / pedestrian traffic - ease of access for both</i>	2	4	Minimise	Multiple access ways - keep dual use to a minimum, event team to monitor and amend as necessary. Signage & staff in place to manage buses and visitor carparking. Schools advised of process.	Course - CM, Event Site - ED	Duration of Event	
1.5 Signage / Barriers	1	1	Eliminate	Signage falling or blowing and striking competitors / public, very low likelihood, well tethered and corflute (low injury impact)	Course Manager	Prior to public entry	
1.6 Property Damage <i>Vandalism, Theft, Malicious or accidental damage</i>	2	2	Minimise	Security to monitor the event site the night before, thorough walk through before and after event to check all obstacles before the races start.	Course Manager	Before, During, After	
1.7 Generators	2	1	Minimise	Fuel level checked and filled by competent person. Positioned where well ventilated with exhaust facing away from	Course Manager	Duration of event	

				persons and minimize noise to persons. Generator will meet all relevant standards & regulations. Generator checked by a competent person before start up.			
Risk assessment							
Area	Likelihood	Impact	Eliminate	Control Measures	Responsibility	Check	Completed
Hazard Detail			Minimise			Frequency	Date Initial
2. Traffic Management							
2.1 Vehicle movement	1	4	Minimise	All contractors on site prior to start of event. Parking area off Beatty Street will be closed. Traffic Management NZ will be officially closing the carpark and supplying a staff member to man the area along with other Sport Canterbury staff.	Event Director	Duration of Event	
2.2 Vehicle movement on site	4	4	Minimise	Only vehicle that will need to move around site is the builder if equipment breaks throughout race and the police or if the fire truck needs to restock the water on board. Builder will notify Course Manager by RT who will get in touch with the marshals to stop race at that obstacle if required so vehicle can move safely.	Course Manager	Duration of Event	

2.3 Emergency Vehicle movement facilitation <i>Make sure that emergency vehicles / helicopter has unfettered access</i>	3	4	Eliminate	First Aid Provider will be the only moving vehicle on site if required but will remain otherwise stationary at the finish line. Marshals with RTs to be stationed throughout the course in key areas. Gate/entry point off Beatty Street, Jellicoe Street & Ebtide Street. There are two locations for a helicopter to land – South Brighton Reserve 2 and South New Brighton Park	Course Manager	Duration of Event	
3. Course General							
3.1 General Hazards throughout the course <i>Hazards that the competitors may face throughout the course including but not restricted to obstacles</i>	3	2	Minimise	Advise all competitors at pre race brief (refer brief notes) regarding hazards including (but not restricted to); trip hazards - rocks, roots, trees, fences etc, fall hazards - where practical fenced and marked with hazard and orange tape. Marshals at every obstacle- key marshals with RT's.	Course Manager	Prior to event	
Risk assessment							
Area	Likelihood	Impact	Eliminate	Control Measures	Responsibility	Check	Completed
Hazard Detail			Minimise			Frequency	Date Initial
4. Course Obstacle Specific							

4.1 Start <i>Mass start, trip hazard, cold</i>	3	2	Minimise	Start is staggered in waves of roughly 100 students, this number has been carefully selected to allow minimal crowding at start of race- reducing pushing and shoving.	Event Director	Duration	
4.2 Crash Pad Climb (<i>fall hazard</i>)	2	1	Minimise	Place marshal at obstacle. Wide obstacle so lots of kids can get over it.	Course Manager	Prior to the event	
4.3 Tyre Temple (<i>trip hazard, legs get caught</i>)	2	2	Minimise	Place marshal at obstacle. Mark and tape hazard.	Course Manager	Prior to the event	
4.4 Stump in the road (<i>trip hazard</i>)	1	1	Minimise	Place marshal at obstacle, check ground for possible object on ground and sticking out roots	Course Manager	Prior to the event	
4.5 Blowups (<i>slip hazard, fall hazard</i>)	2	2	Minimise	Two blow ups side by side, Police marshal keep the area clear in case a kid falls off. Race wave sizes reduced to avoid overcrowding on obstacle	Course Manager	Prior to the event	
4.6 Blowups (<i>slip hazard, fall hazard</i>)	2	2	Minimise	Two blowups side by side, Police marshal keep the area clear in case a kid falls off. Race wave sizes reduced to avoid over crowing on obstacle	Course Manager	Prior to the event	
4.7 Tunnel of Darkness (<i>trip hazard, legs get caught</i>)	2	2	Minimise	Place marshal at obstacle, check ground for possible objects on the ground and sticking out tree roots.	Course Manager	Prior to the event	
4.8 Spider web (<i>trip hazard, legs get caught</i>)	2	2	Minimise	Marshal either side of obstacle reminding students to take care. Check ground for possible objects that could cause harm.	Course Manager	Prior to the event	

4.9 Knees Up (<i>trip hazard, legs get caught</i>)	2	2	Minimise	Marshal in place, remove any tripping hazards on tyres throughout event.	Course Manager	Prior to the event	
4.10 Road Block (<i>head knocks</i>)	2	1	Minimise	Marshal in place, danger tape on each of the construction fencing pieces, students told as approaching to go underneath. Check ground for possible objects that could cause harm.	Course Manager	Prior to the event	
4.11 Bank Run (<i>trip hazard</i>)	1	1	Minimise	Check soil for possible objects that could cause harm. Marshal will have a radio on this obstacle. Orange tape on either side of bank. Access point for Ebbside St. Possibly Helicopter landing area.	Course Manager	Prior to the event	
4.12 Board walk run (<i>trip and slip hazard, splint hazard</i>)	1	2	Minimise	Ground cleared. Danger tape up around the obstacle where needed, Large shells and other thing that may cut removed from area	Course Manager	Prior to the event	
4.13 Terror Tunnel (<i>Cuts and scrapes along the ground</i>)	1	1	Minimise	Marshals remind students to stay low on ground to avoid risk of hitting head, Check ground for possible	Course Manager	Prior to the event	
4.14 Tyre Mud Challenge (<i>Slip Hazard</i>)	1	1	Minimise	Clear rocks from area so that kids don't trip, orange and danger tape in the estuary.	Course Manager	Prior to the event	
4.15 Mud Hole (<i>Cuts and scrapes along the ground</i>)	2	1	Minimise	Check mud for sharp objects, isolate all sharp objects. Marshal on obstacle	Course Manager	Prior to the event	
4.16 Walk the Plank (<i>fall Hazard</i>)	2	2	Minimise	Marshals at location helping children, removing anything on the ground that could cause harm if fallen on	Course Manager	Prior to the event	
4.17 Mud Crawl Frame (<i>Cuts and scrapes along the</i>	2	1	Minimise	Marshals remind students to stay low on ground to avoid risk of hitting head,	Course Manager	Prior to the event	

<i>ground and limbs caught in the net)</i>				Check ground for possible objects that could cause harm and isolate.			
4.18 Cargo Crawl (<i>Cuts and scrapes along the ground and limbs caught in the net)</i>	2	2	Minimise	Marshals remind students to stay low on ground to avoid risk of hitting head, Check ground for possible objects that could cause harm and isolate.	Course Manager	Prior to the event	
4.19 Bubble Bath (<i>fall hazard, held under water, slipping,</i>	2	2	Minimise	Marshals remind students to be careful and monitor number in the blowup pools, Check ground for possible objects that could cause harm.	Course Manager	Prior to the event	
4.20 Slippery Slide (grass burns, slip over)	3	1	Minimise	Marshal on obstacle squirting water. Hard objects are removed from ground. Slippery surface with water to avoid cuts and scrapes on hard ground.	Course Manager	Prior to the event	
4.21 Gunge slide (<i>trip and fall hazard, legs caught, soap in eyes)</i>	2	2	Minimise	Marshal on obstacle restricting number of children on slide at one time. Gunge – soap to be washed off with water hoses. Ensure children are sliding on their bellies.	Course Manager	Prior to the event	
4.22 Finish - <i>Cold, trip hazard</i>	1	2	Minimise	Marshals at finish line along with First Aid Provider staff member.	Course Manager	Prior to the event	
Risk assessment							
Area	Likelihood	Impact	Eliminate	Control Measures	Responsibility	Check	Completed
Hazard Detail			Minimise			Frequency	Date Initial
5. Event Management							
5.1 Staffing levels	1	1	Minimise	Adequate staffing	Race Director	Duration	

<i>Inability to control / manage event</i>				structure / levels and communication in place. Schools are responsible for the behaviour of the students and will bring a certain ratio to staff/students to keep them under control.			
5.2 Evacuation procedures <i>Inability to safely evacuate if required</i>	1	3	Minimise	Pre event meeting point at schools area (South Brighton Domain), during event two meeting points Schools area and on the field beside obstacle four (blowups) (South Brighton League Ground - Jellicoe St), Marshals will be notified in an emergency to get all students to closest evacuation area.	Race Director & Course Manager	Both during and prior to event	
5.3 Audience profile / Behaviour <i>Violence, anti social behaviour, Public disorder</i>	1	1	Minimise	Family / sport orientated event - short duration, no alcohol, police will be called if required.	Race Director	Duration	
5.4 Communication <i>Failure RT Failure</i>	1	3	Minimise	Check all RTs prior to distribution and range of site, have phone list of key marshals, Course Manager and director. All Rt's tested on the course beforehand. Marshals know where the closest RT is located.	Course Manager	Duration	
5.5 Stakeholders <i>Risk/ Hazards arising out of operations of</i>	1	1	Minimise	Regular meetings with all concerned, ensuring that all partners acknowledge our	Race Director	Both during and prior to event	

<i>other partners activities on site as direct result of event</i>				health and safety procedures and act accordingly.			
6.Earthquake, Fire and Tsunami							
6.1 Earthquake	1	5	Minimise	Students will be briefed what to do in an earthquake - Drop cover hold. Marshals will escort students out of forest area to open ground. If significant we will evacuate from the South Brighton area - encouraging schools to head inland on buses already there, the remaining students to walk north through the Domain until they hit Bridge street where they turn left and walk up over the bridge through the intersection and wait at a high point for buses to come and get students. Please also refer to our evacuation maps	Race Director and Course Manager	Both during and prior to event	
6.2 Tsunami Emergency	1	5	Minimise	<u>Tsunami Confirmed</u> Warning sirens in the area in which you can hear from park. Plan 1- 2 to 6hr warning - Evacuate all students back to school Plan 2 – 30 mins to 2 hour warning - All students evacuate to emergency evacuation points walk along	Race Director and Course Manager	Both during and prior to event	

				<p>the South Brighton domain / estuary track, over Bridge St Bridge, through round about and meet on grass at the high point.</p> <p>Plan 3 – within 30min. Students and Marshals will be briefed about high points within the park, ie flying fox area beside main event site. Students to head to those locations.</p> <p>Please also refer to our evacuation maps</p>			
6.3 Fire	1	5	Minimise	<p>Call 111, fire trucks will already be onsite at finish line. We will evacuate out of the forest or depending where the fire is to the two evacuation points. Marshals will be used on the course to help with evacuation.</p>	Race Director and Course Manager	Both during and prior to event	
Risk Assessment							
Area	Likelihood	Impact	Eliminate	Control Measures	Responsibility	Check	Completed
Hazard Detail			Minimise			Frequency	Date Initial
7. Weather							
7.1 Fine weather <i>Sunburn - dehydration</i>	2	3	Minimise	<p>Sun block lotion on site, schools all have policies in place in terms of hats - Short duration of event, students encourage to bring own water bottles. We will have</p>	Race Director	Duration	

				an emergency supply on hand at registration.			
7.2 Inclement Weather <i>Damage/injury/medical situation caused by weather</i>	1	1	Minimise	Event will be cancelled if weather poses a risk to the health and safety of the students	Race Director	Duration	
7.3 Natural Disaster <i>Injury/ Fatalities caused by natural disaster</i>	1	5	Minimise	It is recognized that a natural disaster may strike without any warning during duration of event. Dependent on the nature, scale, locality of such an event, then an immediate assessment will be taken by event director as to best course of action following such an occurrence. It is recognised that the effects and therefore response of such an event may well be out of the capabilities of event director and available resources to deal with, communication with external emergency services through phone / First Aid Providers RT, Meeting point is located in the schools area.	Race Director	Duration	
8. Welfare							
8.1 Lost Children <i>Child welfare risk</i>	1	4	Minimise	Lost children to be taken to registration tent, schools responsible for children while in the schools area. Once on course a tail end Charlie will follow the last child around course.	Course Manager	Duration	

				Marshals will call in any children looking lost.			
8.2 Toilet Facilities <i>Hygiene issues / risk</i>	1	1	Minimise	Excessive toilets available - checks to be made regularly	Team	Duration	
8.3 Staff Welfare / Fatigue <i>Inadequate facilities</i>	1	1	Minimise	Short event duration will be asked to go home if unable to work safely.	Race Director	Duration	
8.4 Medical Situation <i>Inadequate first aid available</i>	1	1	Minimise	First Aid Providers contracted to provide cover for the event. First aid kit provided at registration with necessary equipment for the event.	Race Director	Duration	
8.5 Stranger Danger - <i>(Unusual person on the course interfering with race or participants)</i>	1	5	Minimise	All marshals will be in high viz vests, marshals will also be placed at every entrance/exit to park. Child will be warned at pre race briefing that all marshals are in vests and warned to not to talk anyone not wearing a vest on the course. Police will be present in the centre on South Brighton League Park - Jellicoe St. Walkie talkies are also distributed to every third marshal or high risk areas.	Course Manager	Duration	
Bee Stings – going through the bush	2	3	Minimise	Make sure that everyone knows about the area which could have potential honey bees and have a marshalls are based around the area. St John are on site the whole day if any child was to get stung and have a allergic reaction.	Course Manager	Duration	

Risk Assessment							
Area	Likelihood	Impact	Eliminate	Control Measures	Responsibility	Check	Completed
Hazard Detail			Minimise			Frequency	
9. Environmental Hazards							
9.1 Waste Disposal <i>Waste hazard, broken glass</i>	1	1	Minimise	Plenty of bins on site, staff to check for broken glass during event, thorough clean up and check post event.	Course Manager	Duration	

First Aiders on site:

First Aid Provider will be onsite at the event from 9am - 2.30pm, First Aid Provider will be positioned at the finish line with two staff and an ambulance. The Ambulance will have access to every access point along the course. In some of the forest area approx. 400m they might need to access via foot.

First Aid Provider: St John

Sport Canterbury staff – first aid trained who will be onsite:

Serious injuries that may occur:

Injury	Process to dealing with Injury	Responsible
Broken Bones and Sprains – Legs, arms from falling awkwardly off the obstacles or tripping over.	Marshal closest to the incident would radio First Aid Providers immediately who would get there the quickest way possible by foot or ambulance. Marshal would call course manager and onsite builder who would get to the obstacle and assess the situation. If the obstacle is a major hazard or concern it would be closed off and students would go round it. The teacher would be notified over the PA system of the student and asked to meet First Aid Provider at the ambulance. An incident form would be completed following the event from the school and Primary Sports Canterbury.	Course Manager would be responsible for managing hazard, First Aid Provider responsible for the care of student.
Head injury – Concussion Falling off obstacle or tripping and hitting their head on ground.	Marshal closest to the incident would radio First Aid Providers immediately who would get there the quickest way possible by foot or ambulance. Marshal would call course manager and onsite	Course Manager would be responsible for managing hazard, First Aid Provider responsible for the care of student.

	builder who would get to the obstacle and assess the situation. If the obstacle is a major hazard or concern it would be closed off and students would go round it. The teacher would be notifying over the PA system of the student and asked to meet First Aid Provider at the ambulance. An incident form would be completed following the event from the school and Primary Sports Canterbury.	
Hyperthermia – Student gets cold from wet mud on the course or cold water showering off after the event.	Staff on the showers or the teachers in charge of that school group would take the student to First Aid Provider ambulance to be attended to. First Aid Provider will be positioned at the finish line. We will have survival blankets set up next to the wash bays so students can have something immediately if they become cold. There will also be a coffee vendor onsite which we can get access to a hot drink if required.	Staff on the wash bay and teacher in charge to let First Aid Providers know asap.

Who has a walkie talkie		
Name	Role	Other Info
Georgia Thomson	Site Manager	0211373301
Dylan Smith	Course Manager	021 02421233
Mike Wilson	Course Manager	021 967686
Darryn Ward	Course Builder	021307801
St John	First Aid	
Registration Tent	Registration Tent	
TBC	Tail End Charlie	
Marshals who have walkies		
	Marshal 2	
	Marshal 3	Evacuation location
Police	Marshal 4	
	Marshal 5.2	
	Marshal 7.1	
	Marshal 10.1	Evacuation location

	Marshal 11.1	
	Marshal 12.1	
	Marshal 13.1	Evacuation location
	Marshal 14	
	Marshal 16.1	
	Marshal 17.1	