

Risk Assessment Activity – Raft Building (On-Site)

Pioneer Centre	Assessed by: James Kniffen	Assessed/ Reviewed:	Next Review Date
		11/01/2023	09/01/2024
Reviewed by:	Assist Chief: Max Bishop	11/01/2023	
Reviewed by:	Senior Instructors: Andrew Evrard, Joseph Page & Kieran Miles Lead Instructors: Kieren Plant, Ronan Halpenny, Ruth Gibson & Will Blick		

Overview: Rafting is carried out on our onsite pond. Sessions are led by two instructors, one of whom must hold either a National Pool Lifeguard qualification or a nationally recognised water based rescue certificate, for example FSRT (Foundation Safety Rescue Training) qualification. All instructors will have completed in house training. Rescue bag including throw line, Knife and first aid kit present at all times. Preferred Staff to Client ratio 2:12 with a maximum of 2:16. Annual water tests undertaken to ensure water is safe to use.

Hazards	Groups of People at Risk from the Hazards Identified	Probability Severity Risk Category	Control Measures – Reduces the severity and lowers the probability to acceptable levels
Water (drowning)	Instructors, staff and guest/participants	Unlikely	All participants must wear buoyancy aids and a helmet for this activity, which are checked by trained staff. The pond area is fenced off and has “no access” and “danger deep water” signs clearly displayed on the fencing. Only trained staff can use the pond and deliver water-based activities. Instructors have been trained in rescue procedures and at least one instructor on the session has their FSRT/Lifeguard qualification.
		Fatal	
		High	
Slips & trips	Instructors, staff and guest/participants	Likely	Areas are check monthly and a visually check is done by instructors upon arrival. Participants are brief on hazards.
		Minor	
		Medium	
Equipment – knocks and bumps	Instructors, staff and guest/participants	Likely	Helmets worn by participants and equipment carried in a safe manner as instructed by staff.
		Minor	
		Medium	
Entrapment in ropes	Instructors, staff and guest/participants	Unlikely	Only logs can be tied together, rescue kit is at hand for instructors to use. If another form of raft is being built where rope is used to secure barrels, the instructor will have a knife in the pocket of their PFD ready to get out to cut ropes.
		Major	
		Medium	

Weil's Disease	Instructors, staff and guest/participants	Unlikely	Water samples are to be sent off in spring and summer and autumn period to ensure water is safe. Participants briefed not to swallow water and to wash their hands at the end of the session
		Major	
		Medium	
Algal bloom	Instructors, staff and guest/participants	Likely	Staff to monitor water and report to senior staff if algae is spotted. If serious bloom has taken place water will be sent off to be tested and the raft building sessions closed until results have come back and are clear. Participants briefed not to swallow water.
		Minor	
		Medium	
Injury due improper lifting techniques	Instructors, staff and guest/participants	Likely	All staff complete in-house Health and Safety training which includes manual handling. Instructors trained on how to use the equipment and ensure participants correctly handle logs and barrels for the duration of the session.
		Minor	
		Medium	
Misuse of safety equipment (knife in rescue kit)	Guest/participants	Very Unlikely	Instructors ensure participants do not mess with safety/rescue kit and the knife is on the instructor's person (in pocket of instructor buoyancy aid).
		Major	
		Medium	
Wound infection	Instructors, staff and guest/participants	Likely	Instructors to brief the participants that they are not to go into the water if they have any open wounds. Instructors to stop anyone who tries to go into the water if a wound is seen.
		Major	
		High	