

Arthur's Pass Outdoor Education Centre Risk Analysis And Management System:

Activity: Temple Basin Track:

Date: Updated April 2010 (from May 08, Nov 05, Jan 02 & Feb 99 updates of April 96 originals)

Key Risks:

Accident, injury or other form of loss:

- A. Fall causing injury
- B. Object falling onto group/ individual
- C. Loss of individual/ group
- D. Drowning
- E. Hypothermia
- F. Illness
- G. Traffic accident
- H. Psychological harm

Causal Factors and Risk Management:

People Hazards:

1. Falling/ slipping on /off of track (A)
2. Pushing or shoving causing fall (B)
3. Group splitting or individual leaving group (C)
4. Wide variation in walking speed – separation of group.
5. Accident while swimming at tarns (A,D)
6. Group not taking responsibility for own safety (A, C, D, E, G, H)
7. Running/ pushing etc on road/ footpath (A, G)
8. Wanting to give up, unwillingness to undertake activity (C, H)
9. Stone throwing/ kicking causing injury (B)
10. Fear of heights (H)
11. Dehydration/ exhaustion/ sunburn (F)
12. Personal health/toilet issues (C, F, H)

People Management:

1. Identify key locations of risk i.e. lookout site and traverse. Warn group of all dangers. Spread parents though group (1 adult to 6 children). Try to remove hazard where possible i.e. remove snow from steps. If snow/ice/water on track is too hazardous do not go on. Supervise tricky sections while whole group passes. Keep group single file and jump on silliness early. Advise parents to watch for dangerous behaviour and to act when necessary. Designate boundaries and maintain them when near hazards such as bluffs and snow patches.
2. Brief on danger of pushing and watch for dangerous behaviour. Maintain group in single file with no passing.
3. If kids likely to wander appoint an adult to watch them. Check numbers regularly during activity. A tail end Charlie appointed and group notified. Always do number check after stops. Explain toileting protocol.
4. Keep TEC in sight where possible. Put slower members to front or split group in two if safe and practical to do so.
5. Supervise closely and help at first sign of trouble. Designate boundaries and keep group together at tarn area. See Swimming RAMS.
6. Need to consider own and others safety explained in briefing.
7. Group carefully supervised while near road. Jump on silliness.

	<ol style="list-style-type: none"> 8. Arrange support and encouragement from peers/parent. If an attention seeking behaviour minimise “audience”. 9. Hazards of stone throwing and kicking explained in briefing, enforce “no stone throwing” rule. 10. Arrange support and encouragement. 11. Make sure group carries sunscreen/sun hats/snacks/lunch and water. Take regular rests and monitor group. Do not spend more than three hours on snow in sun, limit time on snow to 30 minutes max if group not wearing sunglasses. 12. Toilet protocol explained at briefing. Manager carries toilet paper and spade. Sanitary items carried in FA kit. Be sensitive to privacy and needs of students. Teacher to notify manager of all serious health issues, check children are carrying medication required. Carry antihistamines and Ventolin in first aid kit.
--	--

<p>Equipment Hazards:</p> <ol style="list-style-type: none"> 1. Clothing insufficient resulting in hypothermia (E) 2. Footwear inappropriate for activity. (A) 3. Wet frozen bridges or board walks (A) 4. Bridges/boardwalk/handrail collapsing (A, B, H) 5. Car loses control near group or driver does not see group (G) 6. Rope tow ropes breaking/ loose when used as handline. 	<p>Equipment Management:</p> <ol style="list-style-type: none"> 1. Standard rules apply for outdoor clothing. Raincoat and warm hat always compulsory. Jersey/Polar fleece and gloves in winter. In cold weather/snow check jersey, socks, shoes, coat, hat gloves. Ensure children wear gear when they need to. 2. Check footwear before activity and explain requirements at briefing 3. Kick excessive snow ice off bridge and encourage use of handrails. Use side of track or if this will create too much damage turn back. 4. Observe bridge-loading signs. No sitting on handrails on track or at shelter. 5. Vehicle to carry no more than 11 people everyone should be able to wear a seatbelt. Vehicles used have a current WOF. Manger to drive when possible or designated school drivers if manager is unable to. Drive to suit the conditions. 6. Brief group on hazard of pulling on rope tows.
---	--

<p>Environment Hazards:</p> <ol style="list-style-type: none"> 1. Rock fall and avalanches (B). 2. Narrow uneven tracks with steep drop off to sides (A, D). 3. Sudden weather change (E). 4. Sun burn (F). 5. Slippery slopes and steep drop offs above bush line (A, D). 6. Snow/ice/mud on track (B) 	<p>Environment Management:</p> <ol style="list-style-type: none"> 1. Do not go outside patrolled areas in winter. When on scree move in small groups, an adult with each group. Do not stop on traverse or steep gullies. 2. Warn group of hazards. Keep group single file and no passing. 3. Check group adequately prepared for weather change. Always check weather
--	--

	<p>forecast before activities. Watch for sudden loss of visibility or changes in the weather, keep group together and always know your location. Carry map and compass at all times. Monitor temperature and wind-chill, keep group moving if cold.</p> <ol style="list-style-type: none"> 4. Brief group on solar hazards. Group to carry sunscreen/sun hats. 5. Brief group on hazards and keep together.. Key areas to watch: Bluffs just above the seat; bank into ribbon stream near top of rope on temple tow; the traverse; from pages up to ridgeline. All these areas have a chance of falls. Keep group together in single file and keep adults evenly spaced in group. Do not cross areas of steep hard snow. Check all areas where children are to slide/play. Check slides for runout and protruding objects. Set boundaries and supervise closely. 6. Try to clear hazards off track where possible and turn back if too dangerous. Supervise group through tricky sections one person at a time if needed.
--	--

Emergency Management:

- APOEC first aid kit carried at all times. Manager has up to date FA and CPR skills.
- Van at Temple Basin ski field car park to shorten reaction/ evacuation time.
- Emergency response contacts for the area are in FA kits and lodge manual (in Kitchen).
- Telephones available for 111 calls.
- Manager to carry cell phone for emergencies.
- Group briefed on emergency procedures on arrival.
- The manager must always be able to split the group and still maintain adequate adult to child ratios.
- In emergency temple basin staff/ skiers may be used to assist.
- Shelter available in lock wood shelter or ski lodge.
- Arrange for the return of the group to the lodge

Relevant industry standards applicable:

- Manager has current First Aid/ CPR cert.
- Children must be supervised. Ratios are to be the lower of those accepted as the policy of the relevant school Board of Trustees or APOEC (1:6 for general activities, 1:5 for activities above 1300m ASL and 1:4 for water activities).
- Van has current passenger WOF.

Notes/ recommendations:

- Always use number checks.
- Min 4 adults on trip.
- Thorough safety briefing required when each group arrives.
- The teacher in charge is responsible for discipline of members of the group at all times.
- Adults spread evenly through group.
- Students with poor motor skills to have an adult buddy.
- Do not walk on icy roads and wait for grit or a thaw.
- Participation not compulsory.

- Activity not to be run in exceptionally frosty/ slippery conditions.
- Group must be adequately briefed on staying together and behaviour.
- Take care not to get into a position where you are alone with any of the children. Take an adult with you whenever sweeping.

Skills required by staff:

- First aid/CPR.
- Group facilitation.
- Group management and sound outdoor leadership.
- Risk identification and management skills.
- Thorough knowledge of track and its hazards.
- Experience and skills to lead a group above the bush-line.

Note:

This activity cannot be run in the absence of the APOEC manager