**Education risk benefit assessment – Outdoor learning areas**

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| Site: **Moana Beach**   |
| Date of assessment: 14/08/2018 |
| Activity: **ongoing Beach Kindy Sessions**  |

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| Benefit assessment |
| **Description of the experience/environment where risk has been identified:*** Play on sand, explore rock pools, climb rocks, walk along logs, climb sand dunes of various inclines, run on the sand, walk across rocks near water, slide down sand dunes, build sand castles. Elements of risk have been identified in each of the above mentioned experiences and environments.
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| **Benefits of activity for learning outcomes of children:*** Physical and sensory development, including coordination, balance, lifting, aware of senses in environment.
* Dispositions for learning including risk taking, solving problems, making decisions, being persistent, determined, communicating with peers and adults, being resourceful, building their confidence and self-esteem, creativity and imagination.
* Literacy and numeracy learning through nature experiences.
* STEM – Science, Technology, Engineering and Mathematics learning.
* Researching, inquiring and promoting a deeper level of thinking of children.
* Reflective learners, articulating aspects of the visit they have particularly felt strongly about.
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| **Non-negotiable elements of this activity: (determined after risk assessment):*** Appropriate supervision – child to staff ratio in outdoor learning environment (1:4).
* Beach kindy is cancelled in event of extreme weather – thunder, lightning, heat and high winds.
* Beach kindy info folder is to be taken on all visits – it holds all relevant info incl: consent, contact info, injury/incident forms, emergency info, handbook copy, parent info, council, prescribed info to be displayed, council permit, copies of appendices (daily site check, leaders checklist, offsite register, sign in)
* Children to wear red moana t-shirts (with name and phone number) and leader to wear high-vis vests and have whistle for duration of visit to Moana Beach.
* Educators to carry whistle for emergency procedure, carry first aid bag and operational mobile phone.
* Children are involved in risk assessments and conversations.
* Educating children about risk and challenge and safety / limitations as part of our everyday learning environment – heads, shoulders, knees, toes.
* Benefits outweigh risk ‘when children encounter certain types of risks, it helps them to learn to assess and manage risks” Gill, 2007
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| Risk assessment |
| **Hazard identified** | **PRELIMINARY RISK ASSESSMENT (no measures in place)**(using risk matrix - consequence x likelihood) | **Reduction / control measures** | **Who** | **When** | **LEVEL OF RISK****(control measures in place)**(using risk matrix - consequence x likelihood) |
| **Child being hit by vehicle** |  Rare | * Adult / child ratio and constant supervision.
* Access Road is via schooner, starboard and esplanade
* Educate children about road safety and identify areas where cars may be a hazard (esplanade car park– particularly at drop off times)
* Boundary training for all children – they do not go near the car park
* Walk back in partners
* Use road crossing islands to return to kindy
 | *Staff:** Follow first aid procedure
* Call ambulance.
* Co-operate with Emergency Services.
* Remove other children from environs.

*Site leader:* * Request additional assistance from available parent helpers or staff.
* Organise de-brief counselling for staff, parents and children as necessary
 | Treat | Rare / Major = **Moderate** |
| **Child burnt by camp fire** | Rare  | * Adult / child ratio and constant supervision.
* Hold camp fire in designated site.
* Educate children about fire safety and identify how fires may be a hazard.
* Hold fire making sessions at kindy prior to holding campfire
* Children to not walk / balance on the rocks around the perimeter of the campfire
 | *Staff:** Follow first aid procedure
* Call ambulance.
* Co-operate with Emergency Services.
* Remove other children from environs.

*Site leader:** Request additional assistance from available staff or volunteer parents.
* Organise de-brief counselling for staff, parents and children as necessary.
 | Treat | Rare / Major = **Moderate** |
| **Child getting lost** | Unlikely | * Preschool children to wear red Beach Kindy T shirt with Kindy mobile number and name written on the back (base) of t shirt
* Adult / child ratio and constant supervision.
* Regular head counts throughout the day - leader to do
* Program planning, selection of appropriate location (in consultation with Caretaker) and familiarising children with Moana Beach - mat will be home base
* Moana Beach Kindy mobile phone number attached to children’s clothing
* Children to be taught procedure if lost - stay in one place (do not move) and call out.
* Children to know they need to have the visible boundaries (flags) in their line of vision when playing (or with an adult present)
 | *Site leader:* * Inform Caretaker and enlist Kindy staff in search for child.
* Call police / parents.
* Notify department
* Have a whistle on hand (in the event of high winds)
 | Monitor | Unlikely / Major =**Moderate** |
| **Child hit by rock / sticks****- broken limb/other serious injury**  | Rare  | * Selection of appropriate areas for Nature Kindy in consultation with Caretaker.
* Stocked first aid kit and operational mobile phone carried at all times.
* First aid trained staff
 | Staff: (x4)* Administer first aid.

*Site leader:** Call parent/guardian.
* Notify Caretaker.
* Complete incident report and notify DECD.
* Contact DECD for advice (liability/claims management).
* (Refer to Sunburn /Inclement Weather Conditions, below.)
 | Treat | Rare/Moderate = **Low** |
| **Dangerous of toxic / dangerous rubbish (sharps / syringes / glass etc)**  | Rare | * Staff to carry out site inspection prior to the program starting to identify any hazard.
* Cordon off identified rubbish that may be considered dangerous
* Children are not to access the area behind the sand dunes
 | *Site leader:* * Contact Caretaker to carry out risk management strategy
 | Monitor | Rare / Moderate = **Low** |
| **Dog charge / bite / bark**  | Unlikely | * Dog safety awareness of children session provided annually.
* Protocol established for Kindy staff to be on alert for ‘dogs off lead’ and to alert staff and children if a dog is in range.

Staff to ensure children follow appropriate procedure – * Stand still
* Arms by side
* Look down

Staff to manage controlled and supervised interactions with dogs where appropriate. Children are reminded that they are not to pat dogs Area in use for Beach Kindy has a sign asking local community to be aware of children on the beach and to walk around the area if possible and keep dogs on leash near area | *Staff:** Follow first aid procedure

*Site leader:** Call parent/guardian
* Notify Caretaker
* Complete incident report and notify DECD.
 | Treat | Unlikely/Moderate =**Moderate** |
| **Drowning/Near Drowning**  | Rare | * Adult / child ratio and constant supervision on foreshore.
* Stocked first aid kit and operational mobile phone carried at all times.
* First aid trained staff
* Program planning / site(s) chosen / water /environmental education as part of program
* If visiting beach, staff to carry out pre-site inspection to gauge strength of water flows and identify any hazards ie slippery rocks
* Avoid visiting creek after rain events due to high flows
* Staff member to stand near water line
* Flagged area in front of water – children are not allowed to go in the water
 | *Staff:** Administer first aid.
* Call ambulance.
* Co-operate with Emergency Services.
* Remove other children from environs.

*Site leader:* * Call parent / guardian.
* Notify Caretaker.
* Request additional assistance from available staff and volunteers
* Complete incident report and notify DECD.
* Contact DECD for advice (liability/claims management).
* Organise de-brief counseling for staff, parents and children as necessary.
 | Monitor | Rare / Major = **Moderate** |
| **Insect bite / sting.****Ingestion of or reaction to plant/other material. (eg sea creature or allergic reaction)**  | Unlikely | * Protective clothing / education of children as part of Nature Kindy program.
* Stocked first aid kit and operational mobile phone carried at all times.
* First aid trained staff
* Request allergy information from parents as per normal Kindergarten procedure.
* Carry Emergency Action Plans and Epi-pens and Asthma Medication for relevant children.
* Use of repellent approved by Parents/Kindy Governing Council.
 | *Staff:** Administer first aid.
* Call ambulance if severe reaction.
* Inform parents whose children are not appropriately dressed.

*Site leader:** Liaise with Caretaker about species present Bowman Park.
* Call parent / guardian.
 | Treat | Unlikely / Minor = **Low** |
| **Needle stick injury** | Unlikely | * Children are not to access toilet block on their own. Staff member to check toilets prior to children using.
* Staff to carry out site inspection prior to the program starting.
* Any syringes are removed using tongs and placed securely in a sharps container in toilet block (we will have our own sharps container with us too).
* If a needle is difficult to retrieve, staff to contact Caretaker to remove.
* If moving outside of Nature Kindy site – staff to carry out pre-site inspection to remove any needle hazard. The beach corridor will require closer inspection due to presence of sand / gravel and dense vegetation.
 | *Staff:** Flush the area with flowing water.
* (bring water )
* Wash the wound well with soap and hot water.
* Put antiseptic on the wound with a waterproof band-aid.

*Site leader:** Call parent / guardian
* Seek medical attention for an assessment of the risk of infection and appropriate treatment.
* If the needle and syringe cannot be retrieved, mark the area so others are not at risk
* Complete incident report and notify DECD
 | Treat | Unlikely / Moderate = **Moderate** |
| **Seagull / Bird of Prey – biting child, eating their food** | Unlikely | * Education of children as part of Nature Kindy program about bird behaviour
* Children to sit down and eat lunch in designated area
* Lunchboxes to be put back in bags after children have eaten and stored in trolley with cover over
 | *Staff:* * Administer first aid.

*Site leader:* * Call parent / guardian
* Notify Caretaker
* Complete incident report and notify DECD
 | Treat | Unlikely/Minor=**Low** |
| **Snake bite** |  Unlikely | * Close liaison with Caretaker about sightings and likely location(s) of snakes
* Stay a recommended distance from water and long grass and sandune area during warmer months (education of staff and children with Caretaker).
* If visiting the sand dunes,, staff to carry out pre visit site inspection and remain on alert
* Clothing requirements advised to parents ie – rubber boots / long pants.
* Program planning /site(s) chosen / wildlife education
* Stocked first aid kit and operational mobile phone carried at all times.
* First aid trained staff
* Emergency contact numbers for children and staff carried.
 | *Staff:* * Administer first aid.
* Call ambulance

*Site leader:* * Call parent / guardian
* Notify Caretaker
* Complete incident report and notify DECD
 | Treat | Unlikely/Major =**Moderate** |
| **Stranger interference** | Rare | * Children are not to access toilet block on their own. Staff member to check toilets prior to children using.
* Adult / child ratio and constant supervision.
* Protocol established for Kindy staff to model appropriate interactions with other users of Moana Beach and to limit contact with other parties that could disrupt the program.
* Signage displayed to alert park users of Nature Kindy Program in progress.
* High visibility clothing identifiers supplied to staff, children and volunteers.
 | *Site leader:** Call police / parents.
* Notify Caretaker.
* Notify DECD.
 | Monitor | Rare / Major = **Moderate** |
| **Sunburn/ Heat Exposure / Extreme Weather conditions** | Unlikely | * Monitor weather conditions ahead of each week’s session.
* Stocked first aid kit and operational mobile phone carried at all times.
* First aid trained staff
* Protective clothing – coats, beanies, hats, boots, sleeves
* Kindy program conducted in shaded areas.
* Nature Kindy visits occur during terms 2 and 3 and at times in Term 1 and 4 – weather dependent.
* Children bring water bottles and water available.
* Apply Kindy sun safety policy and we will have extra spare hats.
* Sunscreen provided and parents briefed on need to apply sunscreen and dress children appropriate to weather conditions.
 | *Staff:** Advise parents if children appear sunburn or heat effected

*Site leader:* * Cancel session(s) if extreme weather conditions are considered too hazardous.
 | Monitor | Unlikely / Minor = **Low** |
|  | Overall Preliminary Risk Assessment = **UNLIKELY** |  |  |  | Overall Level of Risk = **MODERATE** |

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| Education Risk Benefit Assessment – OUTCOME  |
| **BENEFITS outweighs RISK – YES!** | **OR** | **RISK outweighs BENEFITS**  |

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| Plan prepared by | Sophie northcott |
| Prepared in consultation with: | Staff team, Gov council, children, Nature Play SA |
| Communicated to: | Families, Staff members, Volunteers, gov council, children |
| Venue and safety information reviewed and attached | Yes / **No**  | Comment if needed:  |
| Review plan  |  Ongoing as necessary. April 2019 |
| **Reminder: Monitor the effectiveness of controls and change if necessary. Review the risk assessment if an incident or significant change occurs.** |

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| Risk Matrix |

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| **Likelihood** | **Almost Certain** | *Possibility of occurrence more than 75% - expected to occur* |  | **Consequence** | **Critical** | * Critical incident. (e.g. Death or permanent disability of adult or child; high level of distress to other parties)
* Sustained negative publicity or damage to reputation from a national perspective or from the community welfare perspective
 |
| **Likely** | *Possibility of occurrence between 50% - 75% - probably will occur* |  | **Major** | * Multiple injuries requiring specialist medical treatment or hospitalisation; and/or major occupational health safety & welfare liability incident / issue
* Major incident which damages public or parent confidence
 |
| **Possible** | *Possibility of occurrence between 25% - 50% - may occur at some time* |  | **Moderate** | * Serious injuries and/or illness
* Complex welfare and/or health care issue
* Serious disruption or incident, resulting in distress to children and adults
 |
| **Unlikely** | *Possibility of occurrence between 5% - 25% - could occur at some time* |  | **Minor** | * Minor first aid or minor occupational health safety & welfare liability incident / issue (e.g. minor cuts, bruises, bumps)
 |
| **Rare** | *Possibility of occurrence less than 5% - may never occur* |  | **Insignificant** | * No treatment required
 |

**Level of Risk**

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|  |  | **Likelihood** |
| **Consequence** |  | Rare | Unlikely | Possible | Likely | Almost Certain |
| Critical | Moderate | High | High | Extreme | Extreme |
| Major | Moderate | Moderate | High | High | Extreme |
| Moderate | Low | Moderate | Moderate | High | High |
| Minor | Low | Low | Moderate | Moderate | Moderate |
| Insignificant | Low | Low | Low | Moderate | Moderate |