### Analysis

**Undesired events:**
- Accident, injury, other forms of damage

#### 1. Fatal injury in fall
#### 2. Student injured by falling or from becoming entangled in equipment
#### 3. Student emotionally insecure before / during activity
#### 4. Drowning
#### 5. Getting lost
#### 6. Hypothermia
#### 7. Burnt
#### 8. Hit by vehicle
#### 9. Animal bite or sting
#### 10. Allergic reactions
#### 11. Sick

### Risk Management Strategies

#### Normal Operation
- Ratio of 1:7 or 1:4 (in water)
- Clear instructions
- Rules/roles for adult helpers
- Knowledge of medical / special needs conditions
- A current first aid certificate
- Roll call on regular basis
- Seeking approval of teacher before undertaking an activity
- Camp boundaries defined include behaviour, sanitation, food, fire, distance, emergency procedures
- Driver/adult is in control of group until teacher is present

#### Risk Management Strategies

#### Emergency Situation
- Means of communication for help – mobile phone
- Sickness – paracetamol, removal from island at low tide or emergency half tide with life jackets and only for injured and teacher
- Emergency vehicles – boat, car, ambulance, helicopter, helpers
- Emergency Procedures – defining the roles of adults, meeting point
- Meeting points clearly defined before departure, specify place reference for school/emergency services
- Teacher to administer first aid, adults to stay with pupils and one to assist teacher
- Emergency first aid book carried
- Phone for emergency assistance, next family, then notify the chairperson and principal
- Record incidences in school's accident register

### Causal factors

- Poor group control
- Students with special needs and medical problems
- Inadequate supervision
- Teaching incorrect techniques
- Adult - back up people not available, equipment carriers, helpers unsuitable

### Risk Analysis and Management

<table>
<thead>
<tr>
<th>People</th>
<th>Equipment</th>
<th>Environment</th>
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</thead>
<tbody>
<tr>
<td>Poor group control</td>
<td>Equipment failure</td>
<td>Slippery / muddy conditions</td>
</tr>
<tr>
<td>Students with special needs and medical problems</td>
<td>Inadequate / lack of First Aid / Asthma Kit</td>
<td>Wet, cold, sunny weather</td>
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<tr>
<td>Inadequate supervision</td>
<td>Inadequate gear – cooking, sleeping, lights, buoyancy aids, phone charged, pre-paid, fire starting/cooking, ropes, covers</td>
<td>Boundaries are clear</td>
</tr>
<tr>
<td>Teaching incorrect techniques</td>
<td>Bags not suitable</td>
<td>Tides/waves/river flow/depths</td>
</tr>
<tr>
<td>Adult - back up people not available, equipment carriers, helpers unsuitable</td>
<td></td>
<td>Debris</td>
</tr>
</tbody>
</table>

### Equipment

- First aid / asthma kits/medication
- Wear correct clothing/footwear
- Ensure hair / clothing / jewellery are no problem
- Environment surfaces discussed
- Equipment taught appropriate use
- Water handy or near for fire use
- Check gear before leaving
- Water containers 3 litres per day
- Spade for latrine
- Salt and freshwater kept separate

### Environment

- Site only to be used in appropriate conditions
- Point out water hazards
- Walk boundaries and view equipment as a group
- Fires and cooking to be well supervised and in appropriate places
- Separate, mark fresh/salt water
- Dig latrine 0.5 – 0.8 metres
- Hand washing
- Mark latrine for locating at night
- Plant native fauna in latrine hole