

**Note:** Please ensure you read ahead so you are prepared for upcoming activities.

<b>Tuesday 22 May</b>	<b>Day 1: Tauranga</b>
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12:20 PM	<p><b>Group flight arrives</b> Flight QF 141. Your Kuaka leader will meet you at the airport.</p> <p>Please notify your family of your safe arrival.</p> <p>Please note: The schedule set out for your time in New Zealand is subject to change. Your Kuaka program leader will keep you updated with any changes.</p>
1:45 PM	<p><b>Travel by coach to Tauranga (travel time approximately 3 hours and 15 minutes)</b> On the way to Tauranga you will have the opportunity to purchase groceries and exchange money.</p>
3:30 PM	<p><b>Karangahake Gorge</b> Stop at Karangahake Gorge to experience natural New Zealand. Take a guided walk along a riverside into a mountain gorge and see the forces of nature at work. Explore old gold mine workings and see how nature has reclaimed this land over time.</p>
4:30 PM	<p><b>Waihi Gold</b> Visit Waihi Gold, an open cast mine in the centre of Waihi town. Learn about the environmental legislation that is unique to New Zealand and guides such industries to be more sustainable.</p>
6:00 PM	<p><b>Group dinner</b></p>
6:45 PM	<p><b>Pick up groceries</b> Pick up AUIP grocery order from Papamoa Countdown.</p>
7:00 PM - 8:00 PM	<p><b>Check in to accommodation</b> Unpack and settle in to your accommodation.</p> <p>Please note: When checking-in to accommodations, check your room thoroughly for any damage. If you discover any existing damage, report it to reception immediately so you are not fined for it when you check out.</p>

**Accommodation**

Pacific Park Holiday Park, 1110 Papamoa Beach Road, Papamoa Beach, Tauranga, Phone: 07 542 0018  
Swimming pool, Wi-fi - charged, BBQ facility, Games room

<b>Wednesday 23 May</b>	<b>Day 2: Tauranga</b>
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7:30 AM	<p><b>Group breakfast</b> Please prepare yourself breakfast with the group groceries provided. Please also use the group groceries to make a packed lunch for yourself, consisting of one sandwich, a bag of crisps or crackers, one muesli bar, two biscuits, a piece of fruit and some veggies. Baggies and plastic wrap will be provided.</p>
8:30 AM	<p><b>Welcome and Orientation</b> Led by your faculty leaders. Held in the Collings Lodge dining room.</p>
9:00 AM	<p><b>Introduction to modules</b></p>
9:30 AM	<p><b>Pre-activity discussion</b> Overview: Using a water catchment model, identify physical processes and position ecology and biodiversity within these processes.</p>
10:15 AM	<p><b>Travel by coach to local watershed</b> Transportation provided by Kuaka New Zealand. Remember to bring your packed lunch.</p>



10:30 AM	<b>Guided tour of local watershed</b> You'll travel from the sea to the highest reaches of the catchment, exploring the various areas that influence the management of the region. This watershed includes the domestic water for the city of Tauranga and you'll visit natural zones as well as intensively-developed areas, with your guide explaining the impacts of each. The tour is by coach with several stops for better inspection on foot, including a short forest hike at the top of the catchment.  Please wear appropriate attire for today's weather and activities.
1:00 PM	<b>Lunch break</b> Enjoy your packed lunch.
1:30 PM	<b>Follow watershed to coastline</b>
2:00 PM	<b>Business and community partnerships</b> <ul style="list-style-type: none"><li>- Kuaka New Zealand as a sustainable business</li><li>- Collaborative relationships for Triple Bottom Line outcomes</li><li>- Kuaka New Zealand and Turning Point Trust - a sustainable model</li><li>- Propagating young native plants for catchment and riparian restoration</li></ul>
3:00 PM	<b>Potting native plant seedlings for 2019 planting</b>
4:00 PM	<b>Return to accommodation</b>
4:30 PM	<b>Group discussion on climate change and sustainability</b> Held in the Collings Lodge dining room.
6:00 PM	<b>Free evening</b> Dinner on your own.  If you need to purchase supplies, there is a Four Square grocery store located at 1200 Papamoa Beach Road. From your accommodation, turn right on Papamoa Beach Road. Continue for 1 kilometre and you will see the Four Square on the right just past the roundabout. The walk takes about 15 minutes. Open from 7:00 AM - 8:30 PM on Friday and 8:00 AM - 8:30 PM on Saturday and Sunday.

#### Accommodation

Pacific Park Holiday Park, 1110 Papamoa Beach Road, Papamoa Beach, Tauranga, Phone: 07 542 0018

Thursday 24 May	Day 3: Tauranga
7:30 AM	<b>Group breakfast</b> Please prepare yourself breakfast with the group groceries provided. Please also use the group groceries to make a packed lunch for yourself, consisting of one sandwich, a bag of crisps or crackers, one muesli bar, two biscuits, a piece of fruit and some veggies.
8:30 AM	<b>Travel by coach to estuary</b> Low tide 7:00 AM
9:30 AM	<b>Pre-activity discussion</b> <ul style="list-style-type: none"><li>- Case study of human impacts and management of natural processes</li><li>- Case studies of the engagement of local people in restoring natural processes</li></ul>
12:00 PM	<b>Lunch break</b> Enjoy your packed lunch.
1:00 PM	<b>Lower catchments: restoration action</b> Using plants prepared and nurtured by earlier groups, you will assist with the restoration of a wetland area on the fringe of Tauranga. After some instruction and demonstration, you will plant new native saplings of species that are more appropriate for the local conditions. The valley being restored is close enough to the city to be used by local residents and improvements in water control and quality are already being felt. Propagate native species ready for planting out in 2019.
3:30 PM	<b>Travel by coach to coastcare site</b> Transportation provided by Kuaka New Zealand.



4:15 PM **Understanding natural processes**  
- Coastal systems and the role of dunes as a soft shore buffer to storm surge and tsunamis  
- The ecology of sand dunes and how natural ecological restoration processes can provide a support for human coastal settlement  
- Specific coastal plants in the building of dunes; preparing to teach and lead the local children on dune care conservation day

6:00 PM **Free evening**  
Dinner on your own.

#### Accommodation

Pacific Park Holiday Park, 1110 Papamoa Beach Road, Papamoa Beach, Tauranga, Phone: 07 542 0018

#### Friday 25 May Day 4: Tauranga

8:00 AM **Group breakfast**  
Please prepare yourself breakfast with the group groceries provided. Please also use the group groceries to make a packed lunch for yourself, consisting of one sandwich, a bag of crisps or crackers, one muesli bar, two biscuits, a piece of fruit and some veggies.

8:45 AM **Travel by coach to low decile primary school (travel time approximately 30 minutes)**  
Transportation provided by Kuaka New Zealand.

9:15 AM **Immersion program at low decile primary school**  
- Form buddy groups and spend time in classes together  
- Prepare for Coast Care conservation activity

12:15 PM **Targeted conservation action**  
Working with a group of students from the local primary school, you will get firsthand experience in protecting coastal dunes and vegetation. First, you will learn the concepts of dune restoration and how to plant appropriate plants to secure this crucial landform. Then, you will partner with local kids and show them how to plant. Working together, both groups will get their hands dirty planting dune grass. It's a great chance for some cross-cultural exchange.

1:00 PM **Lunch break**  
Enjoy your packed lunch.

1:30 PM **Continue with your school buddies**

3:15 PM **Travel by coach to accommodation**  
Transportation provided by Kuaka New Zealand.

3:45 PM **Preparation for Waitaia Lodge: Maori; Kaitiakitanga and Mana**  
Held in the Collings Lodge dining room.

6:00 PM **Free evening**  
Dinner on your own.

#### Accommodation

Pacific Park Holiday Park, 1110 Papamoa Beach Road, Papamoa Beach, Tauranga, Phone: 07 542 0018

#### Saturday 26 May Day 5: Tauranga to Omanawa

7:00 AM **Group breakfast**  
Please prepare yourself breakfast with the group groceries provided. Please use any leftover groceries.

Please clean your accommodation thoroughly before you leave and load your luggage onto the coach. You must vacuum all carpeted rooms, clean the stove top and oven, wipe down the counter tops, clean out the fridge, sweep and mop the kitchen floor, wipe down tables and chairs, empty the dishwasher, sweep and mop the bathroom floor, take trash to the miniskip by the rotunda, and count all crockery. Please work together as a team to complete cleaning tasks in a timely manner.



8:30 AM	<b>Check out of accommodation</b> You will not have cell phone reception while at Waitaia Lodge. Please let your friends and family know that you will be out of contact for a few days.
8:45 AM	<b>Dr Debashis Dutta</b> <b>Introduction to the eradication of invasive species</b> <ul style="list-style-type: none"><li>- Overview of New Zealand's physical environment</li><li>- New Zealand's unique ecology and threats to this by invasive species</li><li>- Development of specific management practices to support native ecology / biodiversity</li></ul> <p>Dr Dutta is a Senior Academic at the Bay of Plenty Polytechnic and works in conjunction with the University of Waikato on their Environmental Science programme. He completed a MSc (Botany) and PhD (Plant Ecology) in India prior to moving to New Zealand in 2003. Dr Dutta's interests are centred around terrestrial ecosystems and, in particular, plant ecology, biodiversity and conservation biology.</p> <p>Held in the Collings Lodge dining room.</p>
10:15 AM	<b>Depart accommodation by coach</b> Transportation provided by Kuaka New Zealand.
10:45 AM	<b>Guided tour of Tauranga</b> Maori: their world views, culture and practice <ul style="list-style-type: none"><li>- Local Maori and European history and geography</li><li>- Visit Gate Pa memorial battle site</li></ul>
11:15 AM	<b>Travel by coach to Omanawa (travel time approximately 45 minutes)</b> Transportation provided by Kuaka New Zealand.
12:00 PM	<b>Formal Powhiri welcome onto Waitaia Lodge</b> <ul style="list-style-type: none"><li>- Introduction to protocols</li><li>- Formal welcome</li><li>- Introduction by hosts to Waitaia Lodge and its importance to Maori</li><li>- Refreshments</li></ul> <p>Waitaia Lodge is owned by local Maori and is a place of learning and respect. In particular, you will learn about the approach to the relationship between humans and the natural world.</p> <p>The use of this lodge and experience has been chosen specifically to engender a sense of connectedness with nature through experiencing a spectacular ancient rainforest surrounding mountain lakes.</p> <p>The whole group will be sharing one very large sleeping space. This is part of the experience of Noho Marae (overnight marae stay).</p> <p>Please note that there is no WiFi and often no cellphone reception while you are at Waitaia Lodge.</p>
1:00 PM	<b>Lunch at Waitaia Lodge</b>
2:30 PM	<b>Orientation</b> <ul style="list-style-type: none"><li>- Introduction to a project that will assist Waitaia Lodge in its cultural functions</li><li>- Maori use of forest for food and medicine</li></ul>
3:30 PM	<b>Service-learning project</b> <ul style="list-style-type: none"><li>- Assist with a local environmental restoration project</li><li>- Extend the concept of 'Waiora' to complete conservation work in this pristine upper watershed site</li></ul> <p>Please wear appropriate attire for today's weather and activities.</p>
5:30 PM	<b>Check in to accommodation</b> Unpack coach, settle into lodge, set up beds and assist in preparation of dinner.
6:00 PM	<b>Group dinner at Waitaia Lodge</b> After dinner there will be a sharing session on Maori culture from the local hosts and an opportunity to go on a walk to see glowworms.

#### Accommodation

Waitaia Lodge, Mangaonui Rd, Omanawa, Phone: no phone number



Kitchen, Wi-fi - no internet access on site

<b>Sunday 27 May</b>	<b>Day 6: Omanawa to Rotorua</b>
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7:00 AM	<b>Group breakfast</b> A full breakfast provided at Waitaia Lodge. Assist in packing up the lodge and load your luggage onto the coach.
8:15 AM	<b>Poroporoaki / Farewell</b>
8:30 AM	<b>Travel by coach to Kiwi Encounter (travel time approximately 1 hour and 15 minutes)</b> Transportation provided by Kuaka New Zealand.  On the way you will stop by the trakka tunnels at the restoration site to check on the progress of your work completed on Day 3.
9:45 AM	<b>Pre-activity discussion</b> There will be a pre-activity discussion on endangered species management with your Kuaka leader on arrival at Rainbow Springs.
10:00 AM	<b>Guided tour of Kiwi Encounter: Endangered species breeding programme</b> This is a chance to learn about some of the hands-on management techniques being employed to save New Zealand's national icon from extinction. "Kiwi Encounter" is a commercial visitor attraction but you will also get a tour and a talk from a guide who is involved with rearing captive kiwi and other New Zealand bird species. The commercial operation here is the public face of a larger effort to manage some of New Zealand's endangered native species. There are live kiwi here to be seen (in captivity). Please no flash photography.
11:30 AM	<b>Travel by coach to accommodation (travel time approximately 15 minutes)</b> Transportation provided by Kuaka New Zealand.
11:45 AM	<b>Arrive at accommodation</b> Please note that check-in time is at 2pm, however you can store your luggage with reception until later on.
12:00 PM	<b>Lunch on your own</b>
1:00 PM	<b>Group discussion on Maori and tourism</b> Held in the Rotorua YHA lounge.
2:00 PM	<b>Free afternoon</b> Dinner on your own.

#### Accommodation

Rotorua YHA, 1278 Huapapa St, Rotorua, Phone: 07 349 4088  
Internet access, Laundry facility - charged, Wi-fi - complimentary

<b>Monday 28 May</b>	<b>Day 7: Rotorua to Auckland</b>
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6:45 AM	<b>Rotorua YHA continental group breakfast</b>
7:30 AM	<b>Check out of accommodation</b> Please make sure that you leave your room clean and tidy and that you do not leave anything behind. Please load your luggage onto the coach.
8:00 AM	<b>Pre-activity discussion</b> Held in the Rotorua YHA lounge.
8:00 AM	<b>Module 1 due</b>
8:40 AM	<b>Travel by coach to Maungatautari (travel time approximately 1 hour and 30 minutes)</b> Transportation provided by Kuaka New Zealand. Stop en route to purchase lunch.



10:30 AM	<b>Tour and Presentation at Maungatautari 'Mainland Island' Visitor Centre</b> This is a "mainland island" sanctuary where a predator-proof fence has been erected around a huge area. All introduced pest species have been eradicated from within the enclosure and as a result, rare New Zealand birds are making a comeback. There are many species to be seen here that could not exist outside the sanctuary, where predators like rats, weasels, cats, etc. easily kill them. You will be guided by one of the field workers here who will show you how the concept of creating a virtual island on the mainland can be an effective tool for managing indigenous fauna and flora. The visit includes some time at the visitor centre, plus a hike on well-formed tracks in the protected forest.
12:45 PM	<b>Lunch on your own</b>
1:20 PM	<b>Farewell Kuaka Programme Leader</b> At the end of your visit at Maungatautari it will be time to farewell your Kuaka Programme Leader.
1:30 PM	<b>Travel by coach to Auckland (travel time approximately 3 hours)</b> Transportation provided by Kuaka New Zealand.
4:30 PM	<b>Check in to accommodation</b> Unpack and settle in to your accommodation.  Please be aware of your early departure tomorrow. Ensure you have your travel documents.
6:45 PM	<b>Depart accommodation on foot</b> Turn right as you exit City Lodge Hotel and walk 300 metres along Vincent Street until you reach the traffic lights at Cook Street and Mayoral Drive. Walk through the car park opposite to Federal Street. Continue on Federal Street for 350 metres. Turn right when you reach Victoria Street West and walk 40 metres until you see the Mexican Café across the street. The walk should take around 10 minutes.
7:00 PM	<b>Mexican Cafe group dinner</b> 67 Victoria St West, Auckland, Phone: 09 373 2311 The group will share starters and you will choose your main from the menu. Drinks and desserts not included.

#### Accommodation

City Lodge Hotel Auckland City, 150 Vincent St, Auckland, Phone: 09 379 6183  
Internet access, Laundry facility - charged, Wi-fi - charged, Kitchen, Luggage storage

Tuesday 29 May	Day 8: Auckland to Townsville
3:30 AM	<b>Check out of accommodation</b> Please make sure that you leave your room clean and tidy and that you do not leave anything behind. Ensure that you return your key as there is a charge of \$165 if you do not. Load your luggage onto the coach.  Pick up your boxed breakfast after you check out and take it with you to eat at the airport (consume any liquid before passing through security).
4:00 AM	<b>Travel by coach to Auckland International Airport (travel time approximately 40 minutes)</b> Bayes Coachlines, Phone: 0508 4 22937
6:25 AM	<b>Group flight departs for Brisbane (flight duration approximately 3 hours)</b> Flight QF 120.
12:00 PM	<b>Lunch on your own at Brisbane Airport</b>
2:10 PM	<b>Group flight departs for Townsville (flight duration approximately 2 hours)</b> Flight QF 974.
4:10 PM	<b>Group flight arrives in Townsville</b>
5:00 PM	<b>Travel by coach to accommodation (travel time approximately 20 minutes)</b> Calypso Coaches, Phone: 04 2868 9210



5:20 PM **Check in to accommodation**  
Unpack and settle in to your accommodation.

6:00 PM **Free evening**  
Dinner on your own.

There is a Woolworths supermarket located in City Arcade, 393-399 Flinders Street. From your accommodation turn right onto Wills Street. Turn left onto Stanley Street. Turn left onto Sturt Street. Follow signs for City Arcade. The walk takes about 10 minutes. Open 7:00 AM - 9:00 PM.

#### Accommodation

City Oasis Inn, 143 Wills Street, Townsville, Phone: 07 4771 6048

Laundry facility - charged, Laundry service, Restaurant, Swimming pool, Wi-fi - complimentary, Towels, Gymnasium, Air conditioning, BBQ facility

#### Wednesday 30 May Day 9: Townsville to Hidden Valley

8:00 AM **City Oasis cooked group breakfast**  
Please pack a day bag with your swimwear and towel as there will be an opportunity to swim en route to Hidden Valley. You will not have cell phone reception while at Hidden Valley Cabins. Please let your friends and family know that you will be out of contact for a few days.

10:00 AM **Check out of accommodation**  
Please make sure that you leave your room clean and tidy and that you do not leave anything behind. Please store your luggage at reception.

11:30 AM **Meet Hidden Valley Guide**  
Your Hidden Valley guide, Ross McLennan, will meet your group at City Oasis Inn. Please load your luggage onto the coach.

**Guide** **Ross McLennan**  
Ross runs a small, family-run tourism business called Hidden Valley Cabins located 103 kilometres northwest of Townsville. The McLennan family have owned and operated the business since 1986. Because of its remote location, Hidden Valley Cabins has no town amenities and is totally self-sufficient. In December 2007, the retreat switched off its diesel generators and since then the entire resort's electrical needs have been supplied by the sun, saving the resort up to 26000L of diesel and 78 tonnes of CO2 per year. Ross is very passionate about sustainability, the natural environment that he calls home, and finding ways to implement best practice into his business.

Please note: The schedule set out for your time at Hidden Valley Cabins is subject to change. Ross will keep you updated with any changes.

11:45 AM - 8:00 PM **Hidden Valley - Day 1**  
Travel by coach to Little Crystal Creek (travel time approximately 1 hour and 15 minutes)  
Stop at a supermarket and a Subway restaurant, located on the Strand in Townsville. You can purchase any items required for your stay at Hidden Valley and a packed lunch for the day. You will not have another opportunity to visit a supermarket until you arrive on Magnetic Island. Please ensure you stock up with plenty of water as it will be hot and you will be hiking. You will also need to stock up on snacks for the next few days. The coach will then head north on the Bruce Highway to Paluma Range National Park.

Lunch at Little Crystal Creek  
You will have time to swim and explore the Paluma Range National Park.

Travel by coach to Paluma Village (travel time approximately 25 minutes)  
Stops at McLallands Lookout and Witt's Lookout.

Guided rainforest walk  
The group will take a rainforest walk following the Witt's Lookout Trail for 3 kilometres. The walk takes in beautiful views of the coast and the World Heritage-listed Wet Tropics. Your guide will teach you about the local plants and ecosystems.

Travel by coach to Hidden Valley Cabins (travel time approximately 45 minutes)  
Fifteen minutes into the journey, the group will stop at the Eucalyptus Grandis Forest to learn about the shift in ecosystem types. These increasingly dry ecotones are used to explain the direct link between the primitive rainforests seen in the Wet Tropics and the dry sclerophyll forests and open woodlands that dominate the Australian landscape of today.

Check in to accommodation  
Unpack and settle in to your accommodation. Hidden Valley Cabins staff will advise you on arrival where your meals



will be served.

#### Sustainable Business in Rural Australia

Your guide will take you on a tour of the solar plant and lecture on energy use and the carbon tax in Australia. Hidden Valley Cabins is an award winning eco-friendly resort and operates on 100% solar power. See the system working and educate yourself on renewable energy. The owners of Hidden Valley Cabins, the McLennan Family, will do a presentation on running a sustainable business in a remote location. The group will have the opportunity to discuss the business operation with the owners.

Hidden Valley Cabins BBQ dinner

#### Accommodation

Hidden Valley Cabins, 67 McLennan Road, Hidden Valley, Phone: 07 4770 8088

Swimming pool, Complimentary transfers, Towels, BBQ facility, Wi-fi - complimentary in some areas

#### Thursday 31 May

#### Day 10: Hidden Valley

7:30 AM - 8:00 PM

#### Hidden Valley - Day 2

Hidden Valley Cabins group breakfast

Travel by coach to Australian Wildlife Conservancy site (travel time approximately 20 minutes)

Service-Learning with Australian Wildlife Conservancy (AWC)

AWC's reserves cover more than 3 million hectares (7.4 million acres), which represents the largest private conservation estate in Australia. Hidden Valley Cabins, AUIP and AWC have developed a partnership to work on critical areas on two of AWC's reserves, Mt Zero and Taravale. The day will be spent working on a range of activities, which may focus on physical activities and/or business assessment and monitoring.

Please wear closed-toe shoes, a long-sleeved shirt and long pants to protect yourself from wildlife. Ross will supply gloves, tools, etc.

Travel by coach to Hidden Valley Cabins (travel time approximately 20 minutes)

Group lunch

Please use this time to prepare for the Running River Gorge hike.

Travel by coach to Running River Gorge trailhead (travel time approximately 20 minutes)

Running River Gorge hike

The hike into the gorge will take around 50 minutes. Once there, you will have time to swim and explore. The walk out of the gorge will take approximately 1 hour and 20 minutes.

Please wear sturdy footwear, sun protection, and swimsuit and bring plenty of water and a towel.

Travel by coach to Hidden Valley Cabins (travel time approximately 20 minutes)

The coach will stop at Hidden Valley Cabins en route to the platypus spotting activity for a restroom break. Please change into warm clothes as it can get cold in the evening.

Travel by coach to platypus spotting location (travel time approximately 30 minutes)

Platypus spotting

Australian Geographic recognises the area as one of the top five places to see platypus in the wild.

Travel by coach to Hidden Valley Cabins (travel time approximately 30 minutes)

Hidden Valley Cabins group dinner

#### Accommodation

Hidden Valley Cabins, 67 McLennan Road, Hidden Valley, Phone: 07 4770 8088

#### Friday 01 June

#### Day 11: Hidden Valley to Magnetic Island

6:15 AM

#### Check out of accommodation

Please make sure that you leave your room clean and tidy and that you do not leave anything behind. Please load your





luggage onto the coach before breakfast.

Today you will have the opportunity to snorkel within Reef HQ Aquarium's Coral Reef Exhibit. Please ensure you have a day bag packed with your swimsuit, towel, and a set of dry clothes.

6:30 AM

**Hidden Valley Cabins group breakfast**

7:15 AM

**Travel by coach to Reef HQ Aquarium (travel time approximately 2 hours and 25 minutes)**

When you arrive at Reef HQ Aquarium, please help Ross keep the coach clean by removing all rubbish and throwing it in the proper receptacle bins.

9:40 AM

**Arrive at Reef HQ Aquarium**

Please make your way to the conference room where this morning's lectures will be held. You may store your luggage in the back of the room.

9:45 AM

**Scott Anderson**

Aboriginal culture and history

10:45 AM

**Introduction to the "Eye on the Reef" Rapid Monitoring Program**

The Great Barrier Reef Marine Park Authority's "Eye on the Reef- Rapid Monitoring Programme" is the latest citizen science (community monitoring tool) that enables community members to participate in monitoring the health of the Great Barrier Reef. In this session students will learn about the monitoring programme. This session will be followed by a snorkelling activity within Reef HQ Aquarium's Coral Reef Exhibit.

12:00 PM

**Briefing for snorkelling activity**

12:15 PM

**Rotational Activities**

For this part of the programme, the group will be split into three smaller groups for activities on a rotational basis.

Group 1: Snorkel within the Coral Reef Exhibit

An in-water snorkelling activity within Reef HQ Aquarium's Coral Reef Exhibition.

Group 2: Managing the Marine Park Presentation

During this introductory lecture you will gain a fuller appreciation of the enormity of the Great Barrier Reef Marine Park, what challenges it is facing and how it is cooperatively managed, making it arguably the best managed natural resource on planet Earth.

Group 3: Reef Diversity, Behind the Scenes Tour & Turtle Hospital

During this tour you will investigate the highly diverse and amazing reef communities found on the Great Barrier Reef. You will discover the amazing adaptations of Great Barrier Reef creatures and will investigate the characteristics essential to their survival, including feeding, reproduction, communication and camouflage. You will also visit Reef HQ Aquarium's turtle hospital where sick and injured marine turtles are cared for and rehabilitated.

1:30 PM

**Lunch at Reef HQ Café**

Today's lunch will be provided by the Reef HQ Café and a dedicated seating area will be made available for your use.

2:30 PM

**Rotational Activities**

Group 1: Managing the Marine Park Presentation

Group 2: Reef Diversity, Behind the Scenes Tour & Turtle Hospital

Group 3: Snorkel within the Coral Reef Exhibit

3:45 PM

**Rotational Activities**

Group 1: Reef Diversity, Behind the Scenes Tour & Turtle Hospital

Group 2: Snorkel within the Coral Reef Exhibit

Group 3: Managing the Marine Park Presentation

5:15 PM

**Walk to Townsville Ferry Terminal**

Collect your luggage from the conference room and walk to the Townsville Ferry Terminal.

Cross Flinders Street and head up King Street. Turn right onto The Strand and then left onto Sir Leslie Thiess Drive. The ferry terminal will be on the right. The walk takes about 10 minutes.

5:30 PM

**Check in at SeaLink**

Your faculty leader will collect and distribute the ferry tickets. Please note, if you lose your ticket, you are responsible



for replacing it.

5:40 PM

**Board ferry**

You need to have your ferry ticket in hand to board the ferry.

Please note: The ticket issued to you is for return transportation. Please ensure you keep your ticket somewhere safe so you have it for your return travel on June 4th.

6:00 PM

**SeaLink Ferry: Townsville to Magnetic Island (travel time approximately 25 minutes)**

Phone: 07 4726 0800

6:25 PM

**Disembark from ferry**

Please load your luggage onto the Sunbus coach that will be waiting for you at the Magnetic Island Ferry Terminal.

6:30 PM

**Travel by coach to Bungalow Bay Koala Village (travel time approximately 15 minutes)**

Sunbus, Phone: 07 4778 5130

6:45 PM

**Check in to accommodation**

Unpack and settle in to your accommodation. Bungalow Bay staff will advise you on arrival where your welcome dinner and breakfasts will be served, and about complimentary wi-fi access.

7:00 PM

**Free evening**

Dinner on your own.

**Accommodation**

Bungalow Bay Koala Village, 40 Horseshoe Bay Rd, Magnetic Island, Phone: 07 4778 5577

Laundry facility - charged, Restaurant, Swimming pool, Air conditioning, Kitchen, ATM, Luggage storage, Wi-fi - complimentary in some areas, Book exchange

**Saturday 02 June**

**Day 12: Magnetic Island**

8:00 AM

**Bungalow Bay continental group breakfast**

9:00 AM

**Koala population survey project**

You will be given the opportunity to take part in a field-based study, surveying koala populations on Magnetic Island. This work is modelled on a study conducted by JCU researchers in 2011 which collected data on koalas for both publishing and management purposes. The day will include a seminar on koala biology and ecology, a briefing on the survey methodology and a discussion of the JCU study and their use of data. You will be immersed in the natural environment of the island while undertaking the survey in addition to having the opportunity to see koalas both in their natural habitat, as well as up close in captivity.

You will be riding a bicycle for a total of 5 kilometres at a steady pace. As the landscapes are based in eucalypt woodland, you are required to wear long pants, long sleeves, shoes and ankle length socks for the morning activity. Please bring a hat, sunscreen, insect repellent and 1 litre of water.

6:00 PM

**Bungalow Bay group dinner**

Please prepare a packed lunch for tomorrow.

**Accommodation**

Bungalow Bay Koala Village, 40 Horseshoe Bay Rd, Magnetic Island, Phone: 07 4778 5577

**Sunday 03 June**

**Day 13: Magnetic Island**

7:00 AM

**Bungalow Bay continental group breakfast**

Please bring a packed lunch today.

8:00 AM

**Reef Eco Logic: Reef Management Strategies and Inshore Reef Restoration**

The Coral Reef Recovery Programme for Magnetic Island strives to engage students in a hands-on learning approach which will incorporate environmental conservation education, community engagement, inquiry and action-based learning, as well as coral reef conservation efforts on the local fringing reefs. You will be undertaking lectures, data collection, and reef assessment in the water. Note: You may be snorkelling in the ocean (weather dependent).



This is a citizen science reef rehabilitation project that creates a community-based learning environment to benefit reef health and provide education in coral reef conservation. You will be involved in an inquiry and action project, utilising your knowledge of the environment and conservation tactics to create a healthy and sustainable reef ecosystem around the island. Following your work on the reef out in the field, you will engage in a media outreach project with the goal of educating the wider community about the status of the reef. As conservation studies are becoming more necessary and relevant in today's changing climate and ecosystem, the team at the Coral Reef Recovery Programme for Magnetic Island hopes that the programme will help guide you to think critically and inspire action within your own communities.

Please bring a hat, sunscreen, insect repellent, swimsuit, a towel, water, and snacks. You will be issued with a snorkel and mask, fins and UV stinger suit.

4:00 PM **Small group discussion on citizen science**  
The group discussion will be held on the education deck.

6:00 PM **Dinner on your own**  
If you need to purchase more supplies, there is a Foodworks grocery store located at 8/7 Pacific Drive, about a 10-minute walk from Bungalow Bay Koala Village. From your accommodation, turn right onto Horseshoe Bay Road. Turn right onto Pacific Drive. You will see Foodworks on the right. Open 7:00 AM - 7:00 PM.

#### Accommodation

Bungalow Bay Koala Village, 40 Horseshoe Bay Rd, Magnetic Island, Phone: 07 4778 5577

### Monday 04 June Day 14: Magnetic Island to Yungaburra

6:30 AM **Bungalow Bay continental group breakfast**

6:30 AM **Module 2 due**

7:20 AM **Check out of accommodation**  
Please make sure that you leave your room clean and tidy and that you do not leave anything behind. Please load your luggage onto the coach.

7:50 AM **Travel by coach to Magnetic Island Ferry Terminal (travel time approximately 15 minutes)**  
Sunbus, Phone: 07 4778 5130

8:05 AM **Board ferry**

8:25 AM **SeaLink Ferry: Magnetic Island to Townsville (approximately 25 minutes)**  
Phone: 07 4726 0800

8:50 AM **Disembark from ferry**  
Please load your luggage onto the Calypso Coaches coach that will be waiting for you at the Townsville Ferry Terminal.

9:00 AM **Travel by coach to Atherton (travel time approximately 4 hours and 30 minutes)**  
Calypso Coaches, Phone: 04 2868 9210

1:30 PM **Lunch on your own**  
The coach driver will advise you where to meet the coach after lunch. Please ensure you are back on the coach by 2:30 PM so it can depart on time to meet homestay families.

2:45 PM **Meet homestay families**  
Meet at Halloran Hill - The Summit conference centre.

Please note: You will be placed in homestays with other members of the group. Please ensure you keep your emergency card on you at all times so you can contact your faculty leader if necessary.

7:00 PM **Dinner with homestay family**

#### Accommodation



Downunder Farmstays, Atherton, Phone: 03 5977 2526

Kookaburra Lodge, 3 Eacham Road, Yungaburra, Phone: 07 4095 3222 (faculty only)  
Internet access, Room service, Air conditioning, BBQ facility, Coffee/tea making facilities

## Tuesday 05 June

## Day 15: Atherton to Yungaburra

7:00 AM

### Ethnographic data collection and activities with homestay families

All meals with your homestay family today.

### Accommodation

Downunder Farmstays, Atherton, Phone: 03 5977 2526

Kookaburra Lodge, 3 Eacham Road, Yungaburra, Phone: 07 4095 3222 (faculty only)

## Wednesday 06 June

## Day 16: Atherton to Cape Tribulation

7:15 AM

### Breakfast with homestay family

A packed lunch will be provided by your homestay family.

Please note: You will not have cell phone reception while in Cape Tribulation. Please let your friends and family know that you will be out of contact for a few days.

8:15 AM

### Meet the group

Your homestay family will drop you off at Halloran Hill - The Summit conference centre.

8:25 AM

### Module 3 due

8:30 AM

### Travel by coach to Mossman (travel time approximately 2 hours)

Calypso Coaches, Phone: 04 2868 9210

10:30 AM

### Brief stop in Mossman

You will meet your guide Chris O'Dowd in Mossman and he will remain with you for the duration of your Cape Tribulation stay. Please use this time to purchase supplies for your stay in Cape Tribulation.

### Guide

#### Chris O'Dowd

Chris has been living in North Queensland for more than 13 years and has been involved in tourism in Far North Queensland for the duration. He and his brother own a business, Venture Deeper, which emphasises a passion for the environment specifically in the Mossman Gorge area. Chris also works as a regional snake removalist.

11:00 AM

### Travel by coach to Daintree Rainforest Observatory (travel time approximately 2 hours)

Calypso Coaches, Phone: 04 2868 9210

There will also be a stop along the way.

11:30 AM

#### Chris O'Dowd

#### Development issues in North Queensland

This lecture will be delivered at the Daintree River Ferry or on the bus.

12:00 PM

#### Chris O'Dowd

#### Connections between mangroves, the reef and the rainforest

This lecture will be delivered at a look-out where you can view the Great Barrier Reef.

1:00 PM

### Daintree Rainforest Observatory visit

Daintree Rainforest, Phone: 07 4098 0005

The Daintree Rainforest Observatory is located in lowland tropical rainforest adjacent to the Daintree National Park. This rainforest has the highest biodiversity of any forest in Australia, and in 1988 the area was declared a Wet Tropics World Heritage Area. This is one of the few areas in the world where the reef literally meets the rainforest and the only place where two World Heritage Areas sit side by side.

During your visit to the Daintree Rainforest Observatory, you will have the opportunity to go up into the canopy in a gondola, which can accommodate a maximum of four people, including the driver. All individuals in the gondola must wear a full body harness and lanyard (attached to the gondola). Meanwhile, the rest of the group will be conducting a



service-learning project, involving surveying and monitoring of trees on the revegetation plot. The regular monitoring of the plot allows us to answer important questions regarding tree growth rates, survival rates and tree succession. This is valuable information for understanding the most successful way of implementing large-scale revegetation projects in the future. The activity helps to promote awareness of how important revegetation is for increasing local biodiversity, creating wildlife corridors, managing salinity, reducing erosion and offsetting carbon. You will be given the opportunity to eat your packed lunch.

Please wear a long-sleeved shirt, long pants and closed-toe shoes to protect yourself from wildlife. A hat, sunscreen, insect repellent, and water bottle are also recommended.

- 5:00 PM **Travel by coach to Cape Tribulation Beach House (travel time approximately 15 minutes)**  
Calypso Coaches, Phone: 04 2868 9210
- 5:15 PM **Check in to accommodation**  
Unpack and settle in to your accommodation. Cape Tribulation Beach House staff will advise you on arrival where your breakfasts will be served.
- 6:15 PM **Dinner on your own**  
The group will be split for the rainforest night walk. The first group will depart this evening after dinner. Group 2 has a free evening.
- 7:15 PM **Group 1: Travel by coach to rainforest night walk (travel time approximately 15 minutes)**  
Calypso Coaches, Phone: 04 2868 9210
- 7:30 PM **Group 1: Cape Tribulation rainforest night walk**  
This interpretive hike will explore one of the coastal tracks or boardwalks which provides access to the dense lowland rainforest. With good footing and flat walking conditions, the group will look for the unusual animals that come out after dark. Flashlights can pick up the eye-shine of possums, gliders, spiders and many other nocturnal creatures. The night walk does not cover much distance (less than a mile) as you move slowly in search of interesting plants and animals.
- 9:00 PM **Group 1: Travel by coach to Cape Tribulation Beach House (travel time approximately 15 minutes)**  
Calypso Coaches, Phone: 04 2868 9210

#### Accommodation

Cape Tribulation Beach House, 152 Rykers Road, Cape Tribulation, Phone: 07 4098 0030  
Internet access, Laundry facility - charged, Restaurant, Swimming pool, Air conditioning, Kitchen, BBQ facility, Public telephone

#### Thursday 07 June

#### Day 17: Cape Tribulation

- 7:30 AM **Cape Tribulation Beach House group breakfast**  
You may choose whether you would like a continental or cooked breakfast.
- 8:30 AM **Travel by coach to Daintree Discovery Centre (travel time approximately 15 minutes)**  
Calypso Coaches, Phone: 04 2868 9210 .  
Please note that timings for today's activities are flexible.
- 8:45 AM **Daintree Discovery Centre**  
Tulip Oak Road, Cape Tribulation, Phone: 07 4098 9171  
This self-guided tour of the Daintree Discovery Centre offers an opportunity to learn about and explore one of the few remaining unspoiled pockets of lowland rainforest in Far North Queensland. The Centre includes 400 metres of elevated boardwalks that thread their way through the rainforest, as well as a 23-metre tower with five different viewing platforms from the forest floor to the upper canopy.
- 11:15 AM **Travel by coach to Cape Tribulation Beach House (travel time approximately 40 minutes)**  
Calypso Coaches, Phone: 04 2868 9210
- 12:00 PM **Lunch on your own**
- 1:00 PM **Module discussion**  
The module discussion will be held at the Cape Tribulation Beach House.
- 2:00 PM **Free afternoon**  
Dinner on your own. Group 1 has a free evening while group 2 goes on the rainforest night walk.



- 7:15 PM **Group 2: Travel by coach to rainforest night walk (travel time approximately 15 minutes)**  
Calypso Coaches, Phone: 04 2868 9210
- 7:30 PM **Group 2: Cape Tribulation rainforest night walk**
- 9:00 PM **Group 2: Travel by coach to Cape Tribulation Beach House (travel time approximately 15 minutes)**  
Calypso Coaches, Phone: 04 2868 9210

#### Accommodation

Cape Tribulation Beach House, 152 Rykers Road, Cape Tribulation, Phone: 07 4098 0030

#### Friday 08 June

#### Day 18: Cape Tribulation to Port Douglas

- 8:00 AM **Cape Tribulation Beach House group breakfast**  
You may choose whether you would like a continental or cooked breakfast.
- 8:45 AM **Module quiz**  
The module quiz will be held at the Cape Tribulation Beach House.
- 9:30 AM **Check out of accommodation**  
Please make sure that you leave your room clean and tidy and that you do not leave anything behind. Please load your luggage onto the coach.
- 9:45 AM **Travel by coach to Port Douglas (travel time approximately 2 hours and 15 minutes)**  
Calypso Coaches, Phone: 04 2868 9210  
  
Stop at a supermarket en route.
- 12:30 PM **Check in to accommodation**  
Check-in at your accommodation is at 2:00 PM. If you are unable to check in early, please store your luggage with reception.
- 12:45 PM **Lunch on your own**
- 1:50 PM **Walk to CWA Hall**  
From your accommodation, turn left and walk along Davidson Street. Keep right on Port Street to continue on Davidson Street. When you reach Blake Street, the CWA Hall will be on the corner of the park on the right. The walk takes about 5 minutes.
- 2:00 PM **Introduction to the Great Barrier Reef**  
Led by Eye to Eye Marine Encounters staff  
- Safety briefing  
- Lecture on evolution and phylogeny of coral reefs  
- ID exercise on fauna and flora of the Great Barrier Reef  
- Preparations for student reef research project  
  
Held at the CWA Hall.
- Guide** **John Rumney**  
With many years' experience as a research coordinator, professional skipper and adventure diver, John Rumney has a vast knowledge of the reef and its inhabitants. He has consulted for international panels on climate change and participated in conservation movements around the world. As the creator and former manager of Undersea Explorer Adventure Dive and Research Expeditions, he is a pioneer of ecotourism in North Queensland.
- 5:00 PM **Walk back to accommodation**
- 5:30 PM **Introduction to snorkelling and pizza dinner**  
Please meet Eye to Eye Marine Encounters staff at the pool area of your accommodation for an introductory snorkelling session. A pizza dinner will be provided after the session.



#### Accommodation

Lychee Tree Holiday Apartments, 95 Davidson Street, Port Douglas, Phone: 07 4099 5811  
Internet access, Laundry facility - charged, Swimming pool, Air conditioning, Disabled access, Kitchen, BBQ facility

#### Saturday 09 June

#### Day 19: Port Douglas

7:15 AM

**Breakfast on your own**

8:05 AM

**Depart accommodation by coach**

Transportation provided by Calypso Reef Charters.

9:00 AM

**Great Barrier Reef day trip**

Staff from Calypso Reef Charters and Eye to Eye Marine Encounters will be directing today's activities. You will spend the day snorkelling on the Great Barrier Reef.

Please ensure you bring your swimsuit, sunglasses, sunhat, seasickness medication, sunscreen, insect repellent, towel and something warm to wear on the way back with you today. Lunch and snacks will be provided on the boat.

4:30 PM

**Depart for accommodation by coach**

Transportation provided by Calypso Reef Charters.

5:00 PM

**Free evening**

Dinner on your own.

#### Accommodation

Lychee Tree Holiday Apartments, 95 Davidson Street, Port Douglas, Phone: 07 4099 5811

#### Sunday 10 June

#### Day 20: Port Douglas

7:15 AM

**Breakfast on your own**

8:05 AM

**Depart accommodation by coach**

Transportation provided by Calypso Reef Charters.

9:00 AM

**Great Barrier Reef day trip**

Staff from Calypso Reef Charters and Eye to Eye Marine Encounters will be directing today's activities. You will spend the day snorkelling on the Great Barrier Reef.

Please ensure you bring your swimsuit, sunglasses, sunhat, seasickness medication, sunscreen, insect repellent, towel and something warm to wear on the way back with you today. Lunch and snacks will be provided on the boat.

4:30 PM

**Depart for accommodation by coach**

Transportation provided by Calypso Reef Charters.

5:00 PM

**Free evening**

Dinner on your own.

#### Accommodation

Lychee Tree Holiday Apartments, 95 Davidson Street, Port Douglas, Phone: 07 4099 5811

#### Monday 11 June

#### Day 21: Port Douglas

7:00 AM

**Breakfast on your own**

7:45 AM

**Depart accommodation on foot**

As you exit the hotel turn left and walk 200 metres along Davidson Street until you reach Port Street. Turn right on Port Street and then left on Davidson Street. Walk 230 metres along Davidson Street and you will find the CWA Hall on your left at the edge of the park. The walk only takes 5-minutes.



8:00 AM	<b>Great Barrier Reef summary session</b> Eye to Eye Marine staff will lead a group discussion summarising the main points covered during your exploration of the Great Barrier Reef. They will pay particular attention to the reef's interconnectedness to other ecosystems.  Today's activities will be held at the CWA Hall.
10:00 AM	<b>Module quiz</b>
11:00 AM	<b>Lunch on your own</b> Please meet at your accommodation by 12:15 PM to meet the coach.
12:15 PM	<b>Travel by coach to Wildlife Habitat (travel time approximately 10 minutes)</b> Calypso Coaches, Phone: 0428 689 210
12:30 PM	<b>Wildlife Habitat visit</b> Captain Cook Highway, Port Douglas, Phone: 07 4099 3235 Wildlife Habitat is an open and interactive environment where you can wander along elevated boardwalks, observing up close a huge range of animals that roam freely. Wildlife Habitat is committed to conservation via its wildlife rescue programme, ensuring that injured, orphaned, or sick animals are looked after in a professional and caring manner. For those interested, on arrival there is the opportunity to have your photo taken with a koala (for an additional charge of AUS \$22 per photo).
2:15 PM	<b>Travel by coach to Mossman Gorge (travel time approximately 25 minutes)</b>
3:00 PM - 4:30 PM	<b>Ngadiku Dreamtime Walk</b> Mossman, Phone: 07 4099 3677 The Ngadiku Dreamtime Walks are conducted by the local Indigenous people. Ngadiku (Nar-di-gul) means "stories and legends from a long time ago" in the local Kuku Yalanji language. The walks take visitors to culturally significant sites and traditional bark shelters, and over rainforest streams. The walk includes a traditional smoking ceremony, visit to traditional huts (humpies), identification of edible and medicinal plants, demonstration of bush soap making and ochre painting, and sampling of bush tea and damper.
4:30 PM	<b>Travel by coach to accommodation (travel time approximately 30 minutes)</b> Calypso Coaches, Phone: 04 2868 9210
5:00 PM	<b>Free evening to work on modules</b> Dinner on your own.

#### Accommodation

Lychee Tree Holiday Apartments, 95 Davidson Street, Port Douglas, Phone: 07 4099 5811

<b>Tuesday 12 June</b>	<b>Day 22: Port Douglas</b>
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8:00 AM	<b>Free day</b> All meals on your own today.
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#### Accommodation

Lychee Tree Holiday Apartments, 95 Davidson Street, Port Douglas, Phone: 07 4099 5811

<b>Wednesday 13 June</b>	<b>Day 23: Port Douglas to Cairns</b>
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8:45 AM	<b>Breakfast on your own</b>
9:30 AM	<b>Check out of accommodation</b> Please make sure that you leave your room clean and tidy and that you do not leave anything behind. Please load your luggage onto the coach.
10:00 AM	<b>Travel by coach to Cairns (approximately 1 hour and 30 minutes)</b> Calypso Coaches, Phone: 04 2868 9210





11:30 AM	<b>Check in to accommodation</b> Check-in at your accommodation is 2:00 PM. If you are unable to check in early, please store your luggage with reception.
12:00 PM	<b>Lunch on your own</b>
1:30 PM	<b>Program wrap-up and evaluations</b> This afternoon's sessions will be held in the conference room at Cairns Queenslander.
2:30 PM	<b>Time to work on your module</b>
3:30 PM	<b>Free afternoon</b> Dinner on your own.

#### Accommodation

Cairns Queenslander Hotel and Apartments, 267 Lake Street, Cairns, Phone: 07 4051 0122  
Internet access, Laundry facility - charged, Laundry service, Restaurant, Room service, Swimming pool, Wi-fi - complimentary, Air conditioning, Disabled access, Luggage storage, Tour & activity booking desk, Coffee/tea making facilities

Thursday 14 June	Day 24: Cairns
8:00 AM	<b>Cairns Queenslander continental group breakfast</b>
9:30 AM	<b>Group Scientific Paper due</b>
9:30 AM - 5:50 PM	<b>Free day at Cairns Lagoon and Esplanade</b> Lunch on your own. Please be back by 5.50pm for the group dinner.
6:00 PM	<b>Cairns Queenslander group dinner</b>  Please ensure you have your travel documents ready for your flight tomorrow. Also, note that your flight tomorrow morning is very early!

#### Accommodation

Cairns Queenslander Hotel and Apartments, 267 Lake Street, Cairns, Phone: 07 4051 0122

Friday 15 June	Day 25: Cairns to
4:00 AM	<b>Cairns Queenslander boxed breakfast</b>
4:10 AM	<b>Check out of accommodation</b> Please make sure that you leave your room clean and tidy and that you do not leave anything behind. Please load your luggage onto the coach.
4:30 AM	<b>Travel by coach to Cairns Airport (approximately 15 minutes)</b> Calypso Coaches, Phone: 04 2868 9210
6:00 AM	<b>Group flight departs for Sydney</b> Flight QF 931
12:30 PM	<b>Group flight departs for Dallas</b> Flight QF 7
10:00 PM	<b>Please remember that your reflective papers are due on 21 June 2018 after your return to the US.</b>