

# CAIRNS AQUARIUM

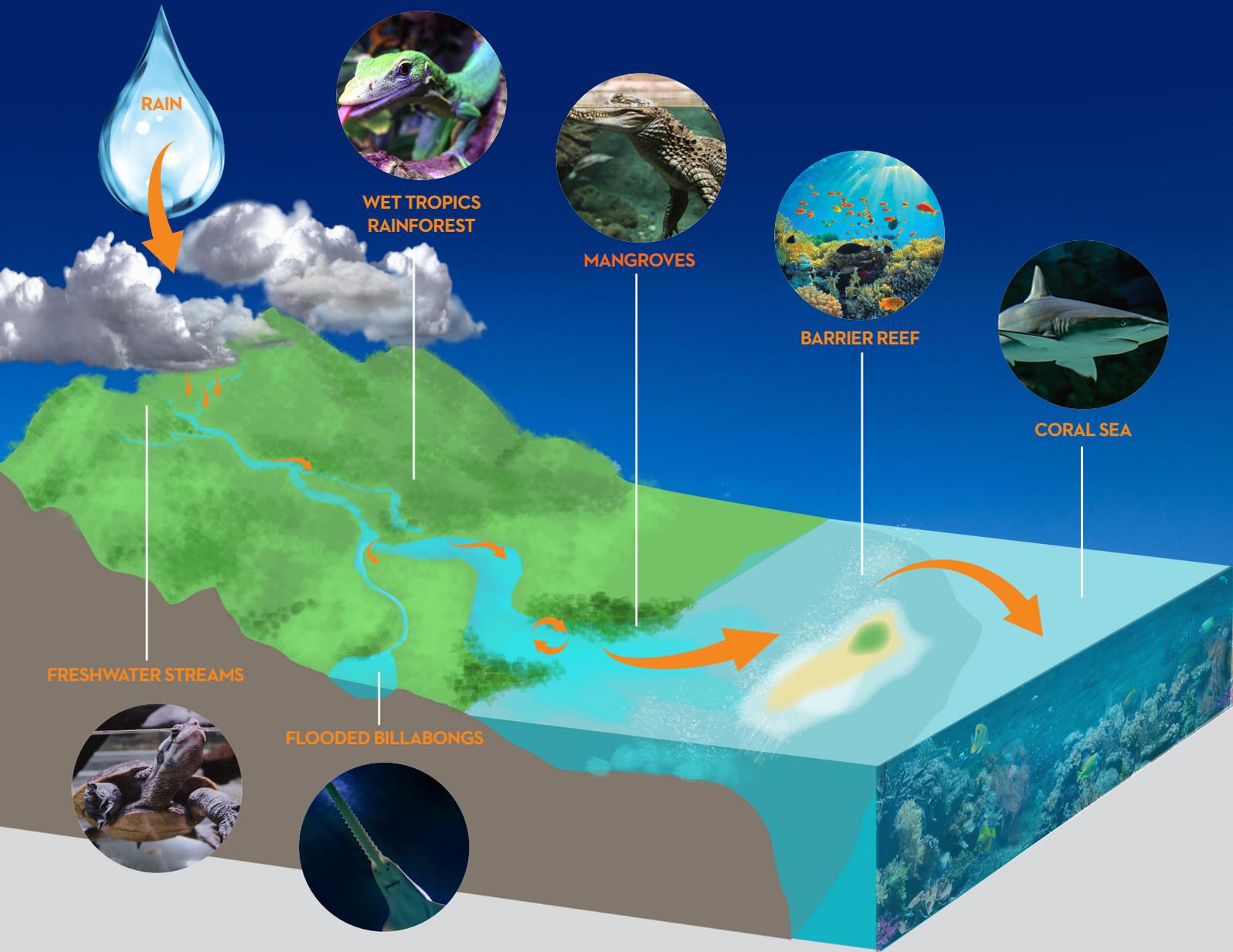
20/21 EDUCATION PROGRAMS



## CONSERVATION THROUGH EDUCATION

Encourage students' innate curiosity for the amazing creatures of the Great Barrier Reef and Wet Tropics Rainforest with our hands-on approach to teaching and learning. Our Educators are reef and rainforest experts, constantly developing ways to engage and connect students with the living environment - to inspire them to value, conserve and make a difference for the future.

Phone: 07 4044 7300  
[cairnsaquarium.com.au](http://cairnsaquarium.com.au)



Throughout your journey within the Cairns Aquarium, your students will venture through key eco-systems and habitats of Northern Queensland. Starting in the freshwater creeks and streams, you will follow a drop of rain as it heads towards the coastline, flowing into the Wet Tropics Rainforest, Mangroves and Great Barrier Reef, with the final destination ending in the depths of the Coral Sea.

## ADMISSION WITH GUIDED TOUR

Kindy/Early Learning (0 - 4yo).....	\$15
Prep to Year 12 .....	\$20
OSHC/Vacation Care.....	\$20
Uni/Additional Adults .....	\$28

Min 15 students for guided tour. Groups under 15 a \$100 guide fee will apply, unless self-guided.

# LEARN. INTERACT. DISCOVER

Cairns Aquarium Education Programs are designed for all year levels, focusing on key eco-systems and species of North Queensland, in an all-weather venue. Students get to experience over 70 animal habitats spread out over 9 zones, which include:

- Creeks and Streams
- River Systems
- Flooded Waterways and Billabongs
- Tropical Rainforest
- Forest Floor
- Life in the Mangroves
- The Great Barrier Reef
- Dangers of the Reef
- The Coral Sea

Programs are designed for your individual group and year level and include a Wildlife Educator, who will take you on a journey through North Queensland's Wet Tropics Rainforest and the Great Barrier Reef.

## YOUR TOUR INCLUDES

- Expert Reef & Rainforest Guide for up to 1.5 hours
- Student work book (emailed on confirmation)
- Hands on interactive session at the Touch Tank

## ADD ON EXPERIENCES

### TURTLE RESCUE CENTRE TOUR

Meet the residents of Cairns Turtle Rescue Centre to learn about their coastal and reef environments. Gain an understanding of how our actions affect the environment as well as going behind the scenes of a working aquarium.

■ STUDENTS \$10 ■ ADULTS \$15



### SLEEP WITH THE SHARKS! GROUP SLEEPOVERS

After hours, explore the Cairns Aquarium to see what the animals do after dark. Enjoy a Steak Burger by the billabong during your exclusive night tour. Watch a movie with popcorn, before bedding down 'camp style' in front of the spectacular Coral Sea Oceanarium surrounded by sharks and rays! Enjoy a hot breakfast before saying goodbye to your new found sea friends.

■ STUDENTS \$149 ■ ADULTS \$199 (MIN 20 - MAX 40)

#### INCLUSIONS

- Exclusive guided night tour of the Cairns Aquarium
- Steak burger and popcorn
- Mattress, Sleeping Bag and Pillow
- Hot Breakfast



# EDUCATION PROGRAMS

## EARLY LEARNING

### OUR LIVING WORLD

Get ready for your journey through the Cairns Aquarium where we walk along the tropical rainforest boardwalks, imagine swimming down the rivers and snorkeling out on the Great Barrier Reef! You will learn where animals live, what they eat and how they stay safe. Enjoy an up close experience getting your hands wet at our interactive marine touch tank. Have you ever touched a sea star?

#### Curriculum links

**Connectedness: Children are connected with and contribute to their world.**

**Active Learning: Children are confident and involved learners.**

## PREP: LIFE AND LIVING

Students will explore Australia's key habitats to find unique wildlife that live in different places including land and water. They will learn firsthand what animals need for survival, including food, water, shelter and how they protect themselves from predators. Students will gain knowledge to suggest how the environment and the weather affects them and other living things.

#### Curriculum links

**Living things have basic needs, including food and water (ACSSU002)**

EXTRA LINKS: - ACSSU004, ACSHE013, ACHGK004, ACSIS012, ACSIS011, ACSIS233

## YEAR 1: LIVING ADVENTURE

Students will see firsthand how an animal is designed for its specific habitat and what these features do to help it survive. They will be able to compare the different types of animals and the habitats found on both land and water ranging from rainforest, river and reef habitats.

#### Curriculum links

**Living things have a variety of external features (ACSSU017)**

**Living things live in different places where their needs are met (ACSSU211)**

EXTRA LINKS: - ACSHE022, ACHGK005, ACSSU019, ACSHE021,

## YEAR 2: GROWING UP

Students will observe how animals grow, change and have offspring similar to themselves. Students will also have the opportunity to observe animals that look nothing like their offspring and how they change and develop into adults. This will be investigated throughout our different habitats including the forest floor, mangrove nursery and reef zones.

#### Curriculum links

**Living things grow, change and have offspring similar to themselves (ACSSU030)**

Extra Links: - ACSHE034, ACSHE035, ACHGK011, ACSIS038, ACSIS040

## YEAR 3: WHAT AM I?

Students will journey through a range of habitats and ecosystems to observe living things and group animals by observing their external features. Students will be able to determine if the animal is a Reptile, Mammal, Amphibian, Insect, Fish, Shark or Ray and be able to distinguish them from non-living things.

#### Curriculum links

**Living things can be grouped on the basis of observable features and can be distinguished from non-living things (ACSSU044)**

ACSSHE050, ACSHE051, ACHGK018, ACHGK014, ACSIS053, ACSIS060

## YEAR 4: CIRCLE OF LIFE

Students will learn how important rainforests and river systems are to the health of the Great Barrier Reef and how mangroves are imperative to all surrounding ecosystems and animals. Students will be able to compare different life cycles of animals found within varying habitats and learn how important plants and animals are to each of their survival.

#### Curriculum links

**Living things have life cycles (ACSSU072)**

**Living things depend on each other and the environment to survive (ACSSU073)**

EXTRA LINKS: - ACSHE062, ACHGK022, ACHGK021, ACHGK024, ACHGK020, ACSSU075

## YEAR 5: ADAPTATION

Students will explore Australia's important ecosystems and observe what structural adaptations each animal has in order to survive in its unique environment. Students will also learn about behavioural adaptations and how they go hand in hand with structural adaptations and therefore the success of each animal.

#### Curriculum links

**Living things have structural features and adaptations that help them to survive in their environment (ACSSU043)**

EXTRA LINKS: - ACHGK030, ACSHE081, ACSHE083, ACSIS093

## YEAR 6: LIFE ON EARTH

Students will journey through our 9 key habitats and see firsthand how the growth and survival of living things are dependent on the conditions of the environment where they live, including man made impacts. Students will come face to face with the Crown of Thorns Sea Star and understand the impact they are responsible for on the Great Barrier Reef. Students will also learn how important floodplains and river systems are to the life cycle of species such as the Sawfish, Barramundi and the Freshwater Whiptail Ray.

#### Curriculum links

**The growth and survival of living things are affected by the physical conditions of their environment (ACSSU094)**

EXTRA LINKS: - ACHGK033, ACSSU096, ACSHE100, ACSIS107, ACSIS110

## YEAR 7: WEB OF LIFE

Students will use a dichotomous key to classify and group animals that are found within varying ecosystems. Students will be able to describe and construct food webs and predict what may happen with human interference, such as overfishing and deforestation.

#### Curriculum links

**Classification helps organise the diverse group of organisms (ACSSU111)**

**Interactions between organisms, including the effects of human activities can be represented by food chains and food webs (ACSSU112)**

EXTRA LINKS: - ACSSU222, ACSHE223, ACSHE120, ACHGK037, ACHGK03 ACSSU116

## YEAR 8: SURVIVAL

Students will investigate how animals survive within their specific habitats and ecosystems. What digestive system do they have? How do they get oxygen from water? How do they reproduce (asexual or sexual)? Students will also look at Coral Bleaching at a cellular level and understand the symbiotic relationship zooxanthellae have with coral

polyps. Students will also meet our most venomous fish in the world and understand how it plays a large role in the survival of critically ill heart patients.

**Cells are the basic units of living things and have specialised structures and functions (ACSSU149)**

**Multi-cellular organisms contain systems of organs that carry out specialised functions that enable them to survive and reproduce (ACSSU150)**

**Scientific knowledge changes as new evidence becomes available, and some scientific discoveries have significantly changed people's understanding of the world (ACSHE134)**

EXTRA LINKS: - ACSHE135, ACSHE27, ACHGK051, ACHGK052, ACSIS148,

## YEAR 9: OUR COMPLEX ECOSYSTEMS

Students will take a journey through rainforest, river and reef ecosystems to expand their knowledge on how they are all connected and are reliant on each other for the health and survival of all animal habitats. Students will leave with an understanding of physiological adaptations of Sharks, Rays, Sawfish and Barramundi and how their body systems function throughout freshwater to saltwater, shallow to deep water and during breeding season.

**Multi-cellular organisms rely on coordinated and interdependent internal systems to respond to changes to their environment (ACSSU175)**

**Ecosystems consist of communities of interdependent organisms and abiotic components of the environment; matter and energy flow through these systems (ACSSU176)**

EXTRA LINKS: - ACHGK060, ACHGK061, ACSSU179, ACSSU182,

## SENIOR YEARS 10, 11, 12

Please contact us to discuss your requirements for a tailor-made program to suit your unit and curriculum needs. The following topics can be covered however is not limited to:

- Biological Science
- Aquaculture / Marine Science
- Physics
- Chemistry
- Hospitality
- Business
- Tourism
- Sustainability
- Environmental management

