



PROGRAMS

● Lower primary ● Upper primary ● Secondary

Curriculum Links

Australian CURRICULUM



Hills to Home

ACSHE022
ACSHE035
ACSI039
ACSSU032

Connecting through our Catchment

ACSHE062
ACSSU075
ACSHE083
ACSHE081
ACSHE100
ACSI087
ACSI104

The Value of Water

ACSSU113
ACSSU116
ACSHE120
ACSHE121
ACHGK040

ACHASSK119
ACHASSK120
ACHASSK121
ACHASSK149
ACHASSK150
ACHASSK151

ACSES033
ACSES035
ACSES042
ACSES043

Cross Curriculum priority: Sustainability
OI.1, OI.2, OI.3, OI.6, OI.7, AND OI.9

LESSON DURATION:
60 mins

AVAILABLE:
Monday & Tuesday

SPACE REQUIRED: Flat stable ground.

These lessons are run in conjunction with the Water Education and Training Van. Please see the booking application for a full list of terms and conditions.

FREE PROGRAM

Cairns Regional Council offers a free-of-charge, engaging and interactive water education program to all schools throughout the Cairns region.

The “Smarter With Our Water” education program is run by specialised educators and is designed to encourage a greater appreciation for Cairns water plus a deeper understanding as to why our water is too precious to waste.

Lessons are delivered utilising the WaterWhys Water Education and Training (WET) Van. The WET van is a purpose built educational facility and is available to schools on Monday and Tuesday. The exact instructional method will vary according to group size, but in order to optimise engagement students will be encouraged to rotate through a number of activities.

Due to set up and pack up times, schools are encouraged to maximise the program over a 48 hour (2 day) period.

Select one or more of our specialist lessons and book now to secure your place.

BOOKINGS & MORE INFORMATION

If you would like to book an education session or discuss a visit, please contact us:

EMAIL wated@cairns.qld.gov.au
CALL 1300 69 22 47



Cairns Water Education Program





Water

Our water is too precious to waste

Activities are modified according to year level/curriculum requirements

Hills to Home

Being surrounded with beautiful creeks, dams, waterfalls, beaches and with the Great Barrier Reef on our doorstep, it is easy to forget what a precious resource water is and how lucky we are to live in Cairns!

In this fun and engaging program, students will follow the journey of our drinking water from the hills to their homes and discover how fortunate we are to have amazing clean, safe drinking water on tap.

Students consider how we use water, and what actions we can take to conserve water both now and in the future. Through role-play and games, students investigate how different decisions and actions greatly change the amount of water we use, and the impact this has on our community. It's never too late to be smarter with our water!

KEY IDEAS

- Water cycle
- Needs vs wants
- Competing interests
- Limited resources
- Water treatment process
- Water conservation



Connecting through our Catchment

No trip to the Great Barrier Reef is complete without a visit from Mobi and his WaterWhys Van. Learn about local initiatives and the role of science in protecting the Great Barrier Reef.

In this inquiry-based program, students identify the features of their catchment before entering the WET lab to discover what tools scientist use and the signs they look for when monitoring the health of our catchment. As citizen scientists, investigate what a 'healthy' catchment looks like and use all your senses to decide what contaminants threaten our waterways. In order to board our (imaginary) reef boat with golden snorkel and fins students must first decide what actions to take to protect their local catchment. We all have a role to play in protecting the Great Barrier Reef. What will you do?

KEY IDEAS

- Great Barrier Reef
- Caring for catchments
- Contaminants
- Water quality
- Monitoring
- Civics and citizenship
- Interpreting data
- Environmental stewardship

The Value of Water

The global distribution, availability and use of freshwater resources continue to change over time. Bottled water sales have doubled in the past 15 years, despite growing concerns about our reliance on single use plastics. This program kicks off with students exploring their own personal use of bottled water, leading into an evaluation between bottled water, drinking water and treated wastewater (recycled) water.

Through an interactive presentation, students are able to follow the Cairns drinking water treatment process, from source to tap, and gain an appreciation for our 'pristine' water supplies here in Cairns. Students will also get an insight into "What happens to the water that goes down our household drains?" and a new appreciation for the science behind wastewater treatment. Students consider how scientific innovations in wastewater treatment could provide solutions to contemporary issues and are asked, "What lessons can be learned from the bottled water industry?"

KEY IDEAS

- Drinking water & wastewater treatment processes
- Drinking water quality standards
- Minimising water wastage
- Water security
- Global water trends
- Interpreting data
- Climate change

