

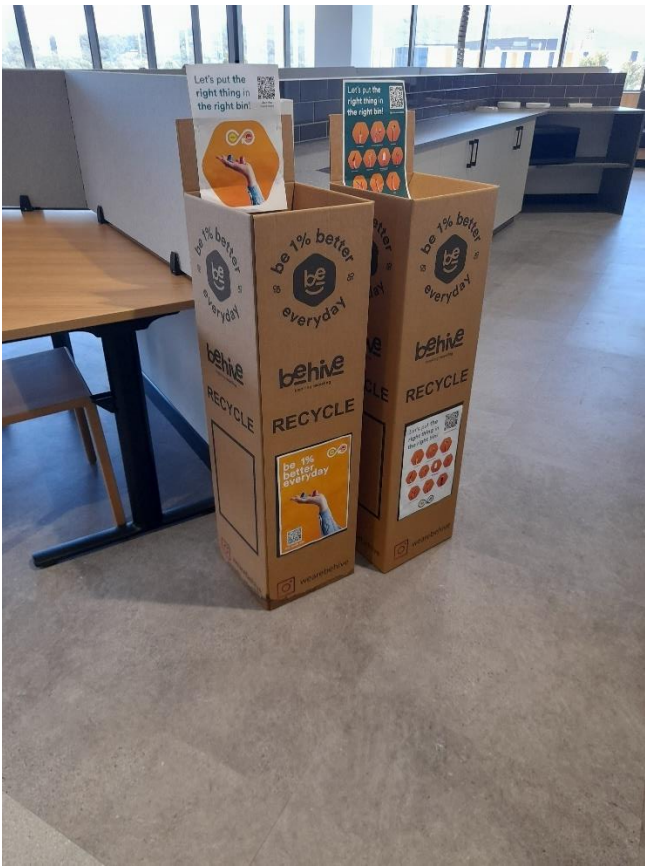
AFFORDABLE AND CLEAN ENERGY

Use of energy marks the beginning of human civilization. It began with the use of burning biomass (discovery of fire) to produce heat for local heating and cooking purposes. The Industrial Revolution in the late 1700s caused a paradigm shift to the use of coal, oil and natural gas as the primary sources of energy. As the population increased over the years, the demand for these non-renewable resources also increased, thus pushing the environment to the brink of destruction.

As the world population continues to grow and with our economies reliant on fossil fuels we are causing changes to our climate. Energy is central to nearly every major challenge and opportunity the world faces today. Hence, it is imperative that we move to more environmentally friendly sources of energy, that are accessible by the most remote areas of the world.

Achieving SDG 7 is expected to galvanize actions to meet the Paris Agreement on climate change.





tafe Queensland **ROBINA CAMPUS SOLAR SYSTEM**

YESTERDAY *

kWh Production
353.03

** Today's data not complete/available*

PRIOR MONTH

kWh Production
7,649.5

Average Daily kWh
254.98

CURRENT MONTH

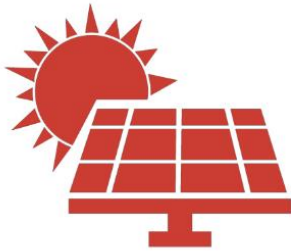
kWh Production
2,789.0

Average Daily kWh
232.42

SYSTEM LIFE

Life of System (kWh)
206,652

Average Daily kWh
373.69



ENVIRONMENTAL BENEFITS

(System Life)



Equivalent CO2 Emission Saved (kg)

124,673



Equivalent Trees Planted

2,418

* Based on "Trees Planted Factor" of 0.0117 trees/kWh for Australia (Source: SolarEdge documentation)
 * Based on "CO2 Factor" of 603.3 g/kWh for Australia (Source: SolarEdge documentation)
 * Based on "km's Driven Factor" of 2.9238 km/kWh (Source: EPA (US))
<https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>



SUSTAINABLE SWAPS THIS-FOR-THAT



TIPS FOR WASTE-FREE LIFESTYLE

- | | | |
|--------------------------|---|-------------------|
| PLASTIC CUTLERY | → | HOME CUTLERY SET |
| BODY WASH | → | BAR OF SOAP |
| TAKE AWAY CUP | → | REUSABLE CUP |
| GROCERY STORE | → | FARMERS' MARKET |
| DRIVE YOUR VEHICLE | → | ACTIVE TRANSPORT |
| PLASTIC PRODUCE BAGS | → | MESH PRODUCE BAGS |
| FOOD SCRAPS IN LANDFILL | → | COMPOSTING BIN |
| SEEDPOD CAFE COFFEE CUPS | → | COMPOSTING BIN |



PHOTO: SHUTTERSTOCK.COM

Let's put the right thing in the right bin!



Join the movement



TOOTHBRUSH



ELECTRIC TOOTHBRUSH



TOOTHPASTE



FLOSS



SHAMPOO-CONDITIONER



RAZOR



BLISTERPACK



BOTTLE-SPRAY



TRIGGERS-HEADS



DISHWASHING LIQUID PLASTIC BOTTLE



PENS



TAFE QUEENSLAND ASHMORE HAS PARTNERED WITH CONTAINERS FOR CHANGE!



Containers for Change bin



DO NOT put in this bin



Funds received from Containers for Change will go towards funding TAFE Queensland sustainable initiatives and student scholarships.



ASH THE BACKPACKER

Ash is made entirely out of the type of rubbish some people dispose of inappropriately.

These Rubbish People statues are placed across the Gold Coast to bring attention to littering and what we can do about it.



Scan the QR code and see how to dispose of different types of waste in a sustainable way.



MAKE GREAT HAPPEN



OH DEER

THE FESTIVE SEASON IS NEAR!

We need your help, to decorate the Robina campus, to get it looking merry and joyful for all.

The decorations that will be taking pride of place in our campus will be handmade and created with our sustainable practices at the forefront.

This will be done by making sure that as many of the materials used in the creations of the decorations, will be either recycled, repurposed or natural

This is where we need your support to help make this happen.

We are asking if you can donate any of the items listed below. They can be dropped off in the ECEC room 202 on level 2. We need these items by Tuesday 15th November please:

Magazines	String
Wool	Sticks
Fabric scraps	Pine Cones
Ribbons	Gum nuts
Banksias	Shells
Old books	Any craft supplies
Paper	Origami paper

Buttons from old clothes no longer used

Please remember to ensure that we are adhering to our mission of recycled, repurposed or natural materials, we ask that you only donate items that you have at home or have collected in nature.

Thankyou



SHERIDAN RECYCLING PROGRAM

DO YOU HAVE PRE-LOVED LINEN ITEMS YOU WISH TO DONATE?

MONDAY 14 NOVEMBER TO FRIDAY 18 NOVEMBER

DROP-OFF ANY BRAND OF LINEN TO THE LOCATION BELOW

TAFE Queensland Robina Campus:

Where: Collab Space 5 (next to Customer Service Desk)
When: Mon/Tues/Thurs/Fri 8.30am - 2.00pm
Wed 16th November 9.00am - 2.00pm

Robina State High School:

Where: School gates
When: Mon to Fri 18th November 8.00am - 9.00am

Items accepted include: sheets, quilt covers, pillowcases & towels

Your items are diverted from landfill, and sent to partnering factories to be made into recycled yarn that is re-purposed into new products. Any fibres that are unable to be converted still find a second life. Please wash items prior.

START CLEANING OUT YOUR LINEN CUPBOARDS!





CO-MINGLED RECYCLING

Paper, cardboard, aluminium, steel,
glass, rigid plastics
ONLY in **YELLOW** bin



Scan the QR to see which bin your item goes in



MEDITATION & MINDFULNESS

INTRODUCTION TO BREATHWORK

GUIDED BY PROFESSIONAL ROBBIE WEIR

FREE YOUR MIND & CONNECT WITH YOUR HEART
THIS EVENT IS NOT TO BE MISSED!
SCAN THE QR CODE TO REGISTER NOW!



Friday 9 September



Rm 208 & 209 (level 2)



12pm-1pm



MAKE
GREAT
HAPPEN



www.tafe.qld.gov.au

IN SUPPORT OF



MARKETPLACE

Local Handmade Products & Craft Stalls

Come to our first Robina Marketplace event!
Get ideas for sustainable gift wrapping and check out what craft items are for sale
Some stallholders may accept cash only or Eftpos only
BYO tote bag



Wednesday 30 November



Robina Campus - Lobby



11:00am - 2:00pm



MAKE
GREAT
HAPPEN



www.tafe.qld.gov.au



SUSTAINABILITY MATTERS WEEKLY



The United Nations' Sustainable Development Goals (SDGs) are based on the '5 Ps': People, Planet, Prosperity, Peace and Partnerships.

This weekly section covers topics that align with the SDGs and focuses on self, team, organisation, community or environment.

CIRCULAR THINKING

To do better with respect to preserving our environment, recycling or for that matter any goal for improvement can sometimes seem daunting.

However if we aim to do **1% better every day** it seems manageable. Students at the Robina campus recently attended a lunchbox info session from Behive.

The discussion centred on what we can do to move from a linear mindset of Take/Make/Dispose to a Circular Thinking approach. [Click here](#) to read more about BeHive and suggestions re how to be 1% better everyday.



Karen Dickinson

General Manager - Gold Coast

'Be Slavery Free' fundraiser

Gold Coast General Manager Karen Dickinson is participating in the [2023 City2Surf](#) challenge and will raise money to [Be Slavery Free](#) along the way. Donate to Karen's fundraising campaign [here](#).



Sustainability Matters Weekly

Focusing on self, team, organisation, community or environment.

SEVENTEENx Gold Coast

Keynote speakers from purpose driven brands to engage community with the United Nations' Sustainable Development Goals.

When: Wednesday 6 September |
5.30pm-9.30pm

Where: TAFE Queensland, Robina
Campus – Level 4

[Purchase tickets](#)

ROBINA STARS SURVEY

for staff



Please scan the QR code to access the survey



tafeqld.edu.au





RUOK Day Representatives

We would like a group of RUOK Day representatives to brainstorm some fun and innovative, simple and meaningful ways to connect with your colleagues and promote the importance of starting a conversation that could change a life.

[Click here to participate](#)



ALL STAFF PROFESSIONAL DEVELOPMENT DAY

THIS THURSDAY - 25th AUGUST 2022

TAFE QUEENSLAND GOLD COAST

IMPORTANT INFORMATION

It's on! After 4 years it will be great to have everyone in one location for interesting speakers, the opportunity to connect with colleagues and to focus on the values and issues that face us as individuals, team and organisation members as well as part of the broader community.

Please wear your name badge or Staff ID Card on lanyard

REGISTRATIONS

Thanks for registering your attendance and dietary requirements or advising you will not be attending.

Reminder: If Thursday is part of your work pattern and you are not attending PD Day, then you must apply for leave for that day.

THEME FOR THE DAY:

Sustainability: Taking care of ourselves, our team, organisation, community and environment.

SCHEDULE

8:00 to 8:45am Registration, service providers tables and tea/coffee

8:45 to 4:00pm PD Day Event

ROBINA CAMPUS TOUR SCRIPT

Opening statement

The TAFE Queensland Robina campus is the first vocational education and training (VET) campus in Australia, quite possibly the world, designed from the ground up to be sustainable in building, fit out, procurement, curriculum, operations and culture. Modern design and construction practices have been used throughout to meet sustainability ambitions and reduce greenhouse emissions through:

- Designing the base building cold shell to the standard of a National Australian Built Environment Rating System (NABERS) 5-star.
- 250 solar panels providing renewable energy for the campus.
- Use of recycled materials and ecological finishes
- Advanced technology such as sensor activated lighting and LED task lighting
- Maximising the use of performance solar glass
- A rainwater harvesting tank feeding an automated irrigation system
- Learning spaces that are purpose-built but also flexible including multi-purpose teaching rooms, student spaces and break out areas.
- Bicycle parks, two bicycle repair stations, skateboard and scooter storage, and electric charging stations
- Minimising waste, recycling and composting.

Ground Level

One of the things you will notice as you move through the campus is that every floor has a theme. from the ocean on ground level, to the beach on level 1, the earth on level 2, through to the canopy of the rainforest on Level 3 and the sky on level 4.

Here on our Ground Floor you will experience our “ocean floor level”. In our atrium there is/will be a projection of underwater images on the ceiling above. The journey starts from the moment you walk through the doors. You will be immersed into the atrium setting with projection of underwater images on the ceiling above. We want every person that enters the campus to be struck by the magnificent projected images on the ceiling and to immediately feel immersed in a world committed to caring for the planet and sustainability. We aim to establish ourselves as the leading vocational training institution in the country for its commitment to sustainability and ensure that sustainability is built into every aspect of our operations and into all courses.

Here you will find 2 of our commercial businesses – Seed Pod Café and TQ Fitness. Behind our café you will find our Barista Studio where students will practice the art of superb coffee making. One feature of the Seedpod Café and Greenfields will be the i-milk automated milk tap delivery system. This is the smartest milk dispenser on the market. i-milk’s patented design and clever software combine to save us thousands of dollars and man hours. Instead of manually pouring milk you simply place a milk jug on the dispenser. i-milk recognises the size of the jug and fills it to the level you have pre-set. Good for us and good for the environment.

In the Seedpod Café we will also have a keep cup and container program. A discount will be offered to every keep item brought into the Seedpod café for product

purchased. The discount is attached to a hot beverage, cold beverage or container for food that has been saved from single use.

Using locally sourced and in-season products is our point of difference. Hydration stations are on every floor.

There are also two learning spaces, a virtual library service, our customer service centre, security office and loading dock.

Normally we wouldn't highlight our rubbish room, but we also have one of those on Ground Level and this will include a Closed Loop Organic Composter Food Waste Composting which will be used for all food waste. It has a 24 hour composting cycle with an expected waste volume reduction of 90%. This should lead to a reduction of landfill of approximately 7 tonnes per year whilst also producing approximately 1.5 tonnes of soil conditioner per year. We are donating this to a local community farm Raba Urban - which is 8 Kms from the campus. They will come every week to collect the compost.

We are going to have a community garden plot for TQGC Robina at Raba. It will be managed from volunteer students and staff. We hope to integrate what we grow with a community kitchen concept.

Also you will notice throughout the campus, the focus on waste separation. You will see separate bins for landfill, 10c refundable recycling items, compostable organics and other recycling items. It is absolutely critical that EVERYONE manages their waste responsibility.

Next to reception, we have an 8 person Collaboration Room. You will notice a feature door and table designed and built with sustainability in mind, using Camphor Laurel timber sourced naturally from Murwillumbah & the surrounding areas. Recycled steel legs and resin were also used to construct this table. Camphor laurel was introduced into Australia around 1822. It had been planted as a garden ornamental throughout Queensland, and while it is an attractive shade tree, it can be very destructive to native vegetation. Repurposing it as furniture is an excellent way to ensure it is not in the earth, but is able to be reused.

Internal stairs enabling us to move up to Level 1 easily, but they can also be accessed via the lifts. We are encouraging everyone to take the stairs, where possible.

As much as possible we have tried to create an immersive experience for students so that the sustainability message is all around them. The senses are stimulated and it is created to be fun, informative and interactive. There are THREE interactive art pieces and the first one is to your right as you walk to the lifts. Here you can hold the world, the globe in your hands.

Level 1

We have now moved to level 1, and the theme for this level is the beach. Just as our beaches are an integral part of our ecosystem, they are also a feature of our new campus. The sound of the waves and the colour scheme is designed to bring a feeling of calm and peace.

On this floor you will find our practical teaching spaces for Hair, Barbering & Beauty, known as Natures Escape.

We are excited to announce our partnership with Sustainable Salons. Together we will be contributing to reducing our impact on the planet and supporting local

communities and charities. Sustainable salons will collect used plastics and salon metals to be sold and upcycled into products such as reading glasses and outdoor furniture. Proceeds from these sales are donated to charities such as Ozharvest who supply food to communities of people in need. Hair is collected and made into hair booms as a natural way to clean up oil spills on land and in oceans. This partnership has provided Tafe QLD Gold Coast an opportunity to actively contribute to improving our impact on the environment, and that it benefits people in our local community and supports diversity through employment.

We also have a learning space and group fitness area for Sport and Recreation and our gym, that will be used for training and external commercial clients as well.

Level 2

Level 2 connects us to our Earth and represents sand.

On this floor you will find

- Early Childhood area, which include an indoor play area and a simulated outdoor play area and large learning space. In the near future we will be commencing a community playgroup, where parents can connect through play, and to build on the philosophy of community
- Rooms for delivery of a collection of courses including business, ATP, AMEP&SEE
- Student Lounge
- Yugambah Lecture theatre
- Computer lab
- Student Breakout booths – a feature of flexible learning delivery and collaboration that is being embraced in teaching delivery across courses delivered at this campus. These areas allow for the seamless connection and collaboration between students who are live on campus and those engaging through a virtual environment

2x 8 person Collaboration rooms that allow for small group breakouts – there are large tables in these rooms that have been made entirely out of recycled railway sleepers that have been sourced from across Australia from the railway lines undergoing refurbishment. The timber sleepers are being replaced with concrete sleepers. The timber has been naturally drying for over a 50 year period and generally the species is Australian Ironbark which is unbelievably dense and strong. The design of these tables changed during construction to minimise any wastage for the timber supply available at the time of building.

- Student Support Services room – used for Counselling and Learning Support services
- Open plan office area and staff lounge

Level 3

Level 3 is the rainforest canopy, which is designed to encapsulate our hinterland and rainforests.

This floor has been designed to be very similar to Level 2 – the largest difference is the removal of the theatre, and that space is replaced with two large learning spaces and other extra learning spaces

Level 4

Here on level 4, the inspiration has come from the sky.

On this floor you will see our Green Fields Bar and Restaurant where you can see stars and sky above. You will also see our Banquet and Events space– The Anna Rose Room.

On this floor, we have

- 2 full industrial training kitchens
- A state of the art demonstration kitchen
- Banquet kitchen that services the restaurant and events on this floor
- Learning space
- Our Cookery, Hospitality and Events students will be actively engaged in contributing to, and learning about, the restaurant, café and banquet areas

Some other key features of level 4 include:

- Our Indigenous Artwork. – two artwork pieces have been created for the campus and are displayed near The Anna Rose Room. The creator of the work is a local Indigenous artist, Brad Turner.
- Timber Floors – bar area – features recycled timbers which was re-milled from ex redundant power poles. Once deemed suitable for a single purpose, retired power poles are making a fashionable come back within the timber industry. The timber was originally royal cut form premium Australian Hardwood species and logs milled from the Southeast Queensland Forest region.
- The timber used for the timber tabletops is an Australian timber called Blackbutt. Blackbutt is locally sourced from Northern NSW. It is a very hard and termite resistant timber. Specifically, this timber is called B grade due to the interesting characteristics including gum veins, knots, insect trails, and a larger range of colour variations. A number of our timber furniture pieces were created by local company Table Tops that also employs our international students

Closing comments that haven't been captured if you have time:

On every level we have ensured:

- Rigorous sustainable procurement practices and examination of supply chains to ensure suppliers sourced their products sustainably and ethically Sustainable raw materials, energy, resources and recycled products / materials were sourced and used for the building and fit out
- Minimal use of paper

We also have an Active Transportation plan which encourages and incentivises staff and students to use public transportation, bikes, scooters, walk or run to the Campus. The proposal is to build an easy to use web application that disperses tokens as a reward for those that follow environmentally friendly forms of travel to Robina Campus.

In our carpark we have our end of trip facilities to encourage everyone to consider alternate transport options to campus. There are toilets, showers and lockers. We also have charging stations for electric vehicles and these can be used to not only charge the electric TQ vehicles we have leased, but also those belonging to staff and students. We have great bike/scooter facilities including secure storage and repair stations. In addition, through a partnership with LIME bikes, we will have a dedicated bike station with 20 -25 bikes available on-site, making the choice for alternate transport even easier.