




## Cross Curriculum Priorities ... 2021



Continuing our school wide STEM project  
in our bushland,  
including a focus on bobtails later this year.



**Welcome** to the Semester 1, 2021 edition of news from the Cross Curriculum Leader. The WA Curriculum identifies three Cross Curriculum Priorities (CCPs):

-  Sustainability
-  Aboriginal and Torres Strait Islander Cultures and Histories
-  Australia's Engagement with Asia

These priorities are embedded across a wide range of learning areas, from English to Science, Technologies, Engineering and Mathematics (STEM), Geography, The Arts, Health and Physical Education.

This newsletter gives you a taste of the 2021 learning adventures conducted in Terms 1 and 2.

### Innovative Bushland STEM project Continues

The whole school bushland STEM (Science, Technologies, Engineering, Mathematics) project has continued in 2021. This builds on the achievements of previous years, specifically incursions related to the bushland project, the creation of interpretive signage and the official opening of the bush trail. This bushland project was showcased in a WA Department of Education video:

<https://vimeo.com/442625382/eadd69f77c>

and the 2021 STEM Inclusion award organised by the Department of Industry, Science, Energy and Resources through the Inspiring Australia - Science Engagement Programme.

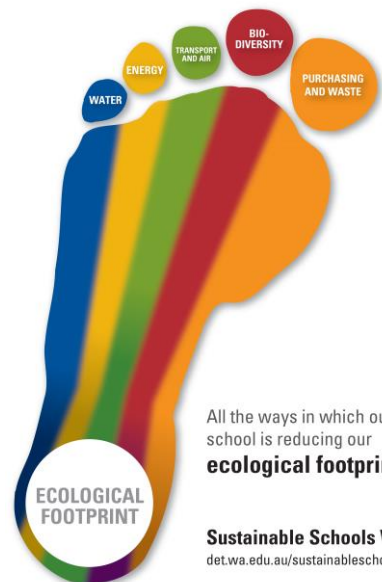
At the beginning of Term 1 the new bushland book, called *Kaadadjiny Boodja*, was published, detailing the children's learning and artworks (Kindy-Year 6). A team of students from Year 6 volunteered to be on the Editorial Committee, supported by Dr Lewis. Here is an sample from the book:



These books are proving very popular with other schools and Sustainable Schools WA at Statewide Services, DoE. Copies of the book are available from the school office for \$10 each.

## Eco Footprint

### 1. Biodiversity Action:

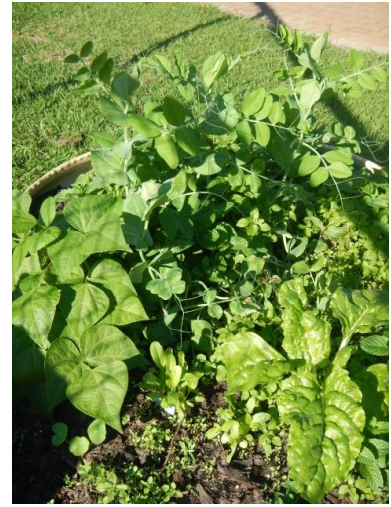


All the ways in which our school is reducing our ecological footprint

**Sustainable Schools WA**  
det.wa.edu.au/sustainableschools

## Stephanie Alexander Kitchen Garden Program

Class garden beds continue to thrive this year. Potatoes, peas and silverbeet are featured in ELC 3 & 4 and Room 4 beds:



## River Rangers



Coolbinia Primary is a River Rangers school. This year our Year 6 River Ranger students have been involved in a wide variety of activities, that included team building and First Aid. They are also participating in leadership groups as – Sustainability, Sport, Technology, Ambassador and Councillor Leaders. They all engaged in community service by collecting litter from the bushland, while individual groups performed particular tasks associated with their roles. The Sustainability Leaders, for example raised funds for the Lord Mayor's Bushfire Appeal, while the Councillor's organised a dressup day to support Kanyana Wildlife rehabilitation services.



## Roots and Shoots Club

### Native Bee Hotels

Roots & Shoots Club is open to children from Years 1-6 and operates during Wednesday lunchtimes. This year there has been a major focus on maintenance of the native bee hotels. Students cleaned out the hotels and replaced old straws containing the remains of native bee brood chambers and painted those boxes needing refreshing.



Other Roots & shoots activities have included gardening, school yard investigations of soil types and minibeasts.

## 2. WasteWise:













### National Clean-Up Day



The whole school participated in National School Clean-Up Day on Friday 5<sup>th</sup> March, collecting litter from the school grounds and the bushland. Year 5 students then collated the data in Digital Technologies lessons and prepared a report to guide our wastewise initiatives for the coming year.

## Recycling

We are continuing our recycling initiatives this term:

-  batteries
-  old toothbrushes & oral care items
-  mobile phones
-  plastic bread bag clips
-  old writing implements
-  old pairs of glasses
-  ink cartridges
-  paper and cardboard
-  plastic bottles
-  plastic bottle tops
-  aluminium cans
-  coffee pods

All these bins may be found at the Kwobadarn (student kitchen).



Our school also recycles:

food waste by worm farming and composting. Students learn about the benefits of worm farming and how to care for the worms. Here two Waste Warriors are collecting food scraps for the worm farm ...



Coolbinia Primary has been recognised for over 10 years continuous WasteWise Accreditation. This is our 2021 certification:



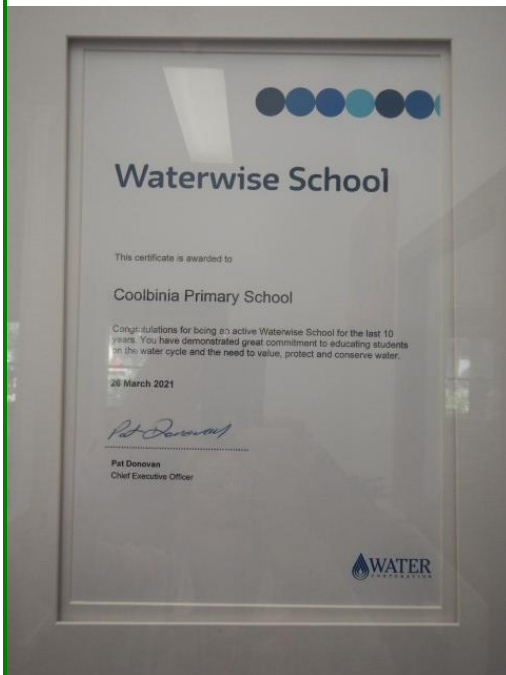
### 3. WaterWise:

Proud to be a  
**Waterwise  
School**

Perth Catchment Model ...



Coolbinia Primary was recognised for 10 years continuous WaterWise Accreditation this year! Kep, the water leak detection dog, demonstrated his amazing skills at this special Waterwise assembly.



This is a huge achievement ... congratulations to all Coolbinians for your efforts over the years.

Year 3 students are our Water Warriors. They use rainwater for watering the gardens and hanging baskets, as well as topping up the bird baths and frog habitat pond. They also monitor taps for leaks.



To reinforce what students were learning in Geography classes, a Water Corporation education officer visited the school and presented on 'water in Aboriginal cultures':



As an active Waterwise School we have representation on the Water Corporation's Teachers Reference Group. Education is the key for water saving at home. Visit [watercorporation.com.au/save-water](http://watercorporation.com.au/save-water) and [watercorporation.com.au/whatsyourwaterstory](http://watercorporation.com.au/whatsyourwaterstory) to find out how you can save water.

#### 4. EnergySmart:

##### Earth Hour

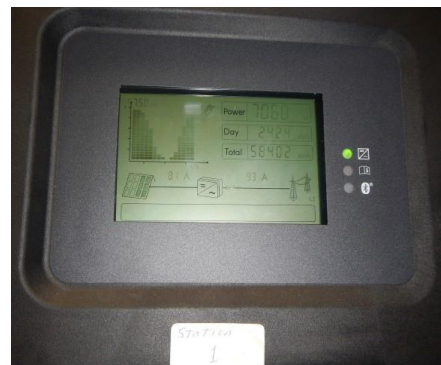
The first EnergySmart event this year was our Earth Hour initiative, held on Friday 26<sup>th</sup> March. Classes organised their own switch-off times to suit their learning programs.



##### Solar Power



Since September 2012 the school has been recording how much power has been generated by our solar power system, as well as how many tonnes of CO2 have been saved from being released into the atmosphere. Please see Dr Lewis if you would like further details.



### Student Learning

Year 6, Room 12, students are the EnergySmart leaders. We continue to monitor our electricity usage and implement actions to reduce our school electricity costs. Students learn how they can contribute to this aim.

### 5. Your Move:

Coolbinia PS is a Platinum level school in Your Move (TravelSmart). Congratulations to all Your Move (YM) supporters!



Year 4 students organised YM events in Terms 1 and 2. They prepared posters and promoted our YM actions. Raffle tickets, stickers and other prizes were distributed to children coming to school in an active way.



The YM team tracks whether students come to school in an active way using their digital technologies skills. They create YM surveys with QR codes. Many thanks to Mr Wilson for this initiative, as it saves time and is more efficient.



A special YM event this year was the **Your Move Festival**, a day of activities promoting road safety and active travel to school, such as walking and riding.



Year 4 Room 9 YM students participated in a stencil painting activity as part of their Your Move promotional work. Our thanks to the City of Stirling for leading the session and providing the resources.



## Social Handprint

### 1. Student Wellbeing:

Our school provides students with many opportunities to foster wellbeing through a range of clubs and community activities, like robotics, Lego, and Roots & shoots clubs, and fundraising for community needs, such as the bushfire appeal and injured animals.



## 2. Aboriginal Cultures:

Neville Collard, Noongar Elder, visited our school and worked with Year 4 classes on a mapping and landforms activity in the bushland. This was part of their Earth and Space Sciences studies.



## 3. Cultural & Social Diversity:



Harmony Day this year featured Hip Hop and a multicultural dress-up day. Early childhood and Years 3-6 enjoyed separate Hip Hop performances.



The multicultural dress-up day was a mass of colour and joy as always:



#### **4. Community Partnerships:**

Community partnerships are a feature of school life at Coolbinia Primary. For instance, we have been working with Friends of Coolbinia Bushland to support a Communities Environment Program grant to manage the weeds in our bushland.



#### **5. Economics & Built Environment:**



Year 6 students created chalk drawings inspired by the bushland on the school pavements.

# Aboriginal Cultures and Histories

## Two-Way Science

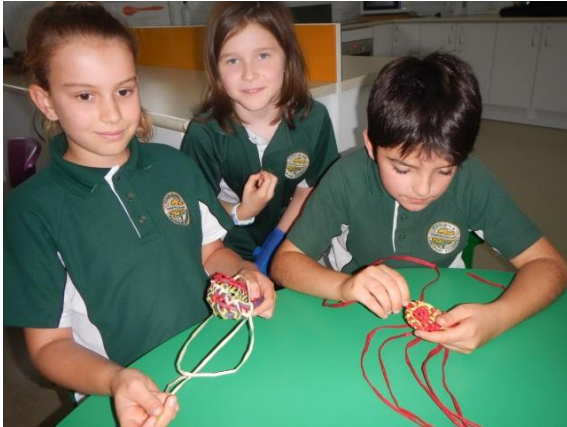
Coolbinia Primary has been working with the CSIRO and Dept of Education employing *Two-Way Science* learning programs that connect Aboriginal cultural knowledge, Western science methodologies and the WA Curriculum. CSIRO and DoE have developed a joint Professional Learning workshop using videos of staff and students from our school learning from a two-way science perspective. Here the students are learning about the strength of balka resin:



## PALS Grant

Each year our school applies for a Partnerships Acceptance Learning and Sharing (PALS) grant. This grant aims to promote reconciliation and provides outstanding learning opportunities for our aboriginal and non-aboriginal children. Coolbinia Primary has won many awards for our PALS projects.

We have successfully applied for the 2021 PALS grant, with a focus on 'student engagement and community participation'. This grant will enable students to work with Noongar educators as part of their Bushland STEM investigations. This funding was used to employ lea Taylor, Noongar Weaver, to work with Year 4 students. Here are photos of the students working on their baskets:



### NAIDOC Week Grant

The school was also successful in being awarded the 2021 NAIDOC Week grant. Neville collard, Noongar Elder, will work with early childhood and senior classes.

## *Australia's Engagement with Asia*

### Sustainable Development Goals

The key context for the Asian Cross Curriculum Priority has been based on the United Nation's Sustainable Development Goals (SDGs):

## THE GLOBAL GOALS For Sustainable Development



Coolbinia Primary School supports the achievement of these goals by having active membership with the One World Centre and the United Nations Association of Australia WA Global Schools Project, as well as the actions we take to address the various sustainability issues outlined in the SDGs.

Also, our school demonstrates ongoing commitment to sustainability action, through our work to contribute to:

- 🌍 Global Goal 13 (Climate action) through our numerous initiatives related to our carbon emissions reduction plan.

Further actions based on other goals include for example:

- 🌍 Global Goal 3 (Good health and wellbeing) through participation in the Yolanda Frank Art Award and school based 'wellbeing' programs.
- 🌍 Global Goal 5 (Gender equality) by participating in the *Tomorrow's Citizen Leaders – Local to Global*, conference at Parliament House and taking subsequent action to address this student concern.
- 🌍 Global Goal 6 (Clean water and sanitation) by fundraising for wells overseas.
- 🌍 Global Goal 15 (Life on land) through our planting and care of wildlife programs.
- 🌍 Global Goal 16 (Peace, justice and strong institutions) by participating in NAIDOC Week, a Red Cross incursion called "In search of safety" and other fundraising and caring projects.

Many thanks to everyone for supporting the numerous cross curriculum initiatives. Your contributions make a difference to each other and to the sustainability of our planet. Thank you.

Sincerely

Dr Elaine Lewis

Cross Curriculum Leader

Sustainability Leadership Team Coordinator

Roots and Shoots Coordinator

River Rangers Leader

Part time role: located in the Kwobadarn on Wednesdays

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1 June 2021