

Cross Curriculum Priorities (CCPs) ... 2021

... a productive year!

Governor's School STEM Finalist Award



UNAA WA Collective Impact Award ... Sustainable Development Goals & STEM



Director General's Women of Achievement Award ... Cross Curriculum Priorities & STEM



Other Awards and Grants related to the CCPs

River Rangers \$18000

Your Move Double Platinum - \$7500 Connecting Schools Grant

City of Stirling Living Green Schools Grant \$4000

PALS (Aboriginal) Grant \$1000

NAIDOC Week Grant \$1000

Roots & Shoots Grants - native bee hotels & plants \$300

Welcome to the Semester 2, 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 3 & 4.

Innovative Bushland STEM project continues

Continuing our school wide STEM project in our bushland, including a focus on the conservation of bobtails.



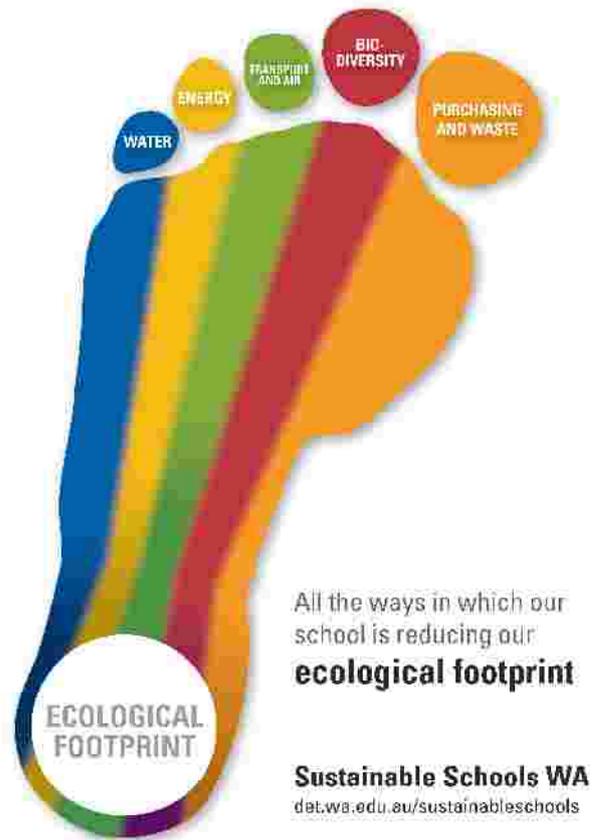
The whole school bushland STEM (Science, Technologies, Engineering, Mathematics) continued this year. It built on the achievements of previous years, specifically incursions related to the bushland project, the creation of interpretive signage and the official opening of the bush trail. This bushland 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 start of the year 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:



This book is 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



Biodiversity Action:

Stephanie Alexander Kitchen Garden Foundation (SAKGF) Program ... Next Gen!

Our SAKGF program has been in operation for over ten years. A review of this program was undertaken this year. Impressive achievements were documented, however changing curriculum demands identified the need for a Next Generation SAKGF Program!

What will the Next Gen SAKGF program look like? It will:

1. Provide for enhanced emphasis on our STEM priority and changing curriculum needs. For example, STEM Learning Project topics e.g. Growing Food, Waste Warriors, Cool Lunch, Mini Robot Garden, Honey Bees, & Biosecurity; Cool Australia e.g. Nutrition, Food Security, Your Food & Farming, & Tree Day; and Oz Harvest Feast.
2. Focus on native food, medicine and tool plants. This links with our Two-way Science program, including work in the bushland, the Six Seasons and Bush Tucker gardens.
3. Incorporate changing opportunities due to new technologies, for instance, QR codes, Augmented Reality, AI, drones, MudWatts, 360 photography, and more.

In brief, the SAKGF initiative will continue in 2022 but with new directions embedded into the program.



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 art workshops and camp. They also participated in leadership groups as – Sustainability, Sport, Technology, Ambassador and Councillor Leaders. They all engaged in community service by collecting litter from the bushland and along the river, 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 and the Ambassadors raised funds for Alopecia Awareness.





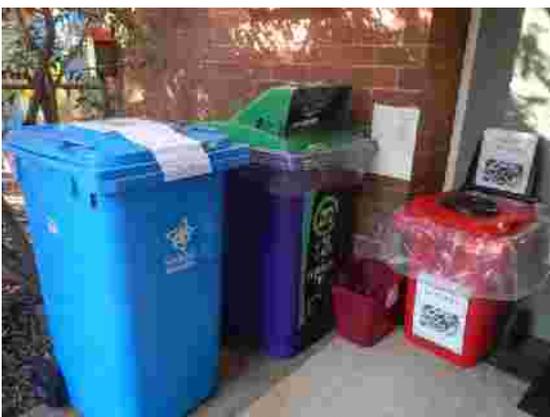
Roots and Shoots Club

Roots & Shoots Club is open to children from Years 1-6 and operates during Wednesday lunchtimes. Students engaged in a wide variety of activities throughout the year, for example, harvesting olives, maintenance of the native bee hotels, caring for tadpoles, installing the bobtail fencing in the bushland, gardening and discovering different minibeasts in the school grounds.



1. WasteWise:

The whole school participated in a wide range of WasteWise activities throughout the year, including for example, National School Clean-Up Day, composting, worm farming and recycling.



Recycling

We are continuing our recycling initiatives this term:

- ♣ batteries
- ♣ 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.

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. Year 5 students are our Waste Warriors who rostered on to support the recycling initiatives.



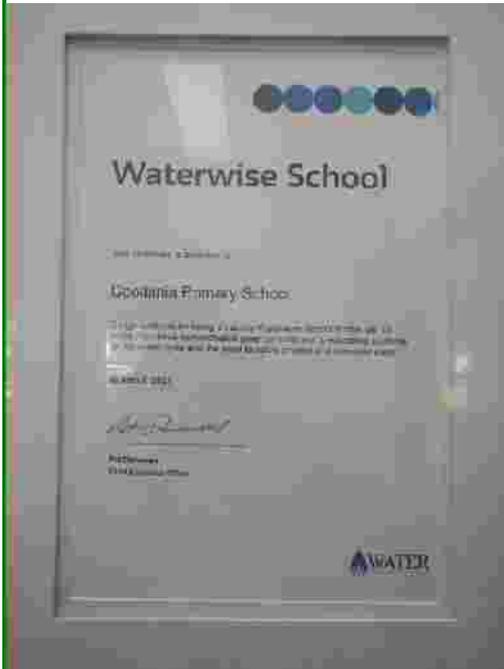
Coolbinia Primary has been recognised for over 10 years continuous WasteWise Accreditation. This is our 2021 certification:



2. WaterWise:

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':

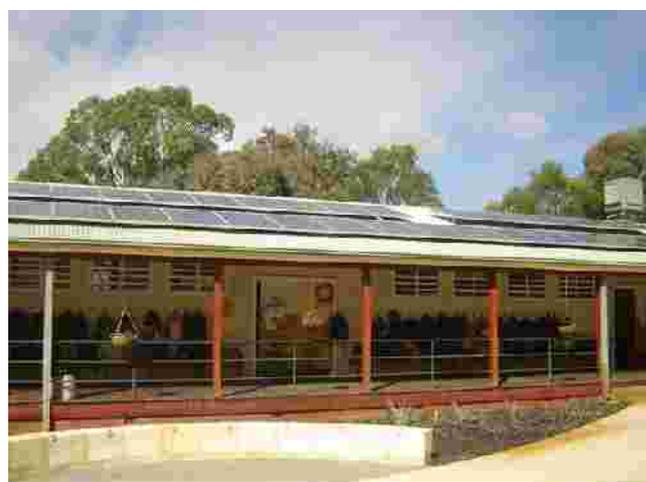


As an active Waterwise School we have representation on the Water Corporation's Teachers Reference Group. Education is the key for water saving at home. Visit watercorporation.com.au/save-water and watercorporation.com.au/whatsyourwaterstory to find out how you can save water.

3. EnergySmart:

Earth Hour

The first EnergySmart event this year was our Earth Hour initiative, held on Friday 26th 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.

Some of the students' learning sessions included constructing solar lantern kits which were sent overseas to support students in Asia and Africa, and comparing solar energy production from the school's solar panels in summer and winter.



5. Transport & Air: Your Move:

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



Year 4 students organised YM events throughout the year. 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. Students also enjoyed bike education and added Your Move stencils to surrounding streets to promote active travel.





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.



All the ways in which our school is increasing our **social handprint**

Sustainable Schools WA
det.nsw.edu.au/sustainable/schools



2. Aboriginal Cultures:

This year Coolbinia Primary joined the Department of Education's Two-way Science project as one of the trial schools. This project aims to make connections between Aboriginal scientific understandings and Western Science methodologies.

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



Belinda Cox worked with Year 6 students in a tool making activity using grasstree resin.

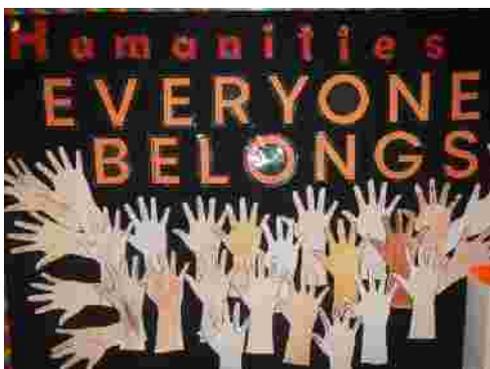




Belinda also worked with Kindy-Year 1 classes, sharing Noongar culture and Dreaming stories.



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.



4. Economics & Built Environment:



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



Kindy students learnt about, made native bee models and painted native bee hotels.

Aboriginal Cultures and Histories NAIDOC: Heal Country

The NAIDOC Week theme for 2021 was 'Heal Country' and all classes contributed to the following painting reflecting this theme. The school was also successful in being awarded the 2021 NAIDOC Week grant. Neville Collard, Noongar Elder, worked with early childhood and senior classes, as described previously.



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:

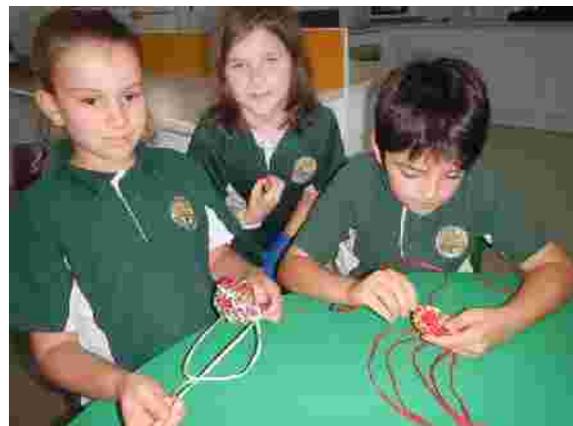




PALS Grant

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 successfully applied for the 2021 PALS grant, with a focus on 'student engagement and community participation'. This grant enabled 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:





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 7 (Clean energy) by constructing solar lantern kits.
- ✚ 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.

UNAA WA Collective Impact Award

At the recent UN Gala Day, Coolbinia Primary was awarded the Collective Impact Award for its engagement with the UN Sustainable Development Goals (SDGs). This award recognises our work at the Year 6 Fete, where each stall raised funds for one of the SDGs, and our Two-Way Science participation that related to SDG 16.



Many thanks to everyone for supporting the numerous cross curriculum initiatives throughout the year. 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 December 2021