

Cross Curriculum Priorities ... 2019

... a vision for a year full of the joys of learning!

Starting with ...



Semester 1 whole school STEM project “Our Bush Trail”, including a focus on ladybirds in Term 2.



Welcome to the February 2019 edition of news from the Cross Curriculum Leader. The WA Curriculum identifies 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, Arts and Mathematics (STEAM), Geography, Health and Physical Education.

Throughout 2019 we will be building on initiatives undertaken in 2018, so this newsletter highlights achievements from last year, our vision for 2019 and the types of learning activities and experiences you will see this year.

Cross Curriculum Priorities ...

All the evidence adds up to a successful year in 2018!

Community recognition of Coolbinia's achievements in implementing whole systems thinking programs that embrace all three CCPs are reflected in:

- City of Stirling Sustainability Award
- Young re-Inventors of the Year Award
- River Rangers Award
- Perth Festival Award
- Indigenous certification
- Wastewise Level 3 (highest) certification
- Waterwise Champion certification
- Your Move (formerly TravelSmart) Platinum Level certification
- TurtleWatch certification



City of Stirling & Young Re-Inventors Awards.

Quantitative and qualitative evidence is collected to assess the success of Cross Curriculum Priority (CCP) programs at Coolbinia. This evaluative process is undertaken annually, and we have nine years of data demonstrating ongoing progress.

The three CCPs are assessed as follows:

- Aboriginal and Torres Strait Islander CCP: assessed using the Department of Education's Aboriginal Cultural Standards Framework.
- Australia's Engagement with Asia CCP: assessed using the Department of Education's Asia Literacy proformas.
- Sustainability CCP: assessed using the Department of Education's Sustainable Schools WA rubric.

These assessments are used to inform CCP plans for the following year.

Within the Sustainability CCP there are further assessments related to the Ecological Footprint and Social Handprint. To achieve the certifications listed previously, there are set criteria that need to be attained to reach these levels of accreditation, for example, as a Wastewise school the following criteria must be met for Level 3 status:

1. Wastewise committee
2. Conduct waste audit
3. Write annual plan for Wastewise activities
4. Write/review Wastewise policy
5. Whole school involvement
6. Involve community partnerships
7. Demonstrate 3Rs across the school
8. Reduce waste to landfill by 60%
9. Participation in Sustainable Schools WA initiative
10. Demonstrated continuation of whole school approach and involvement in community partnerships

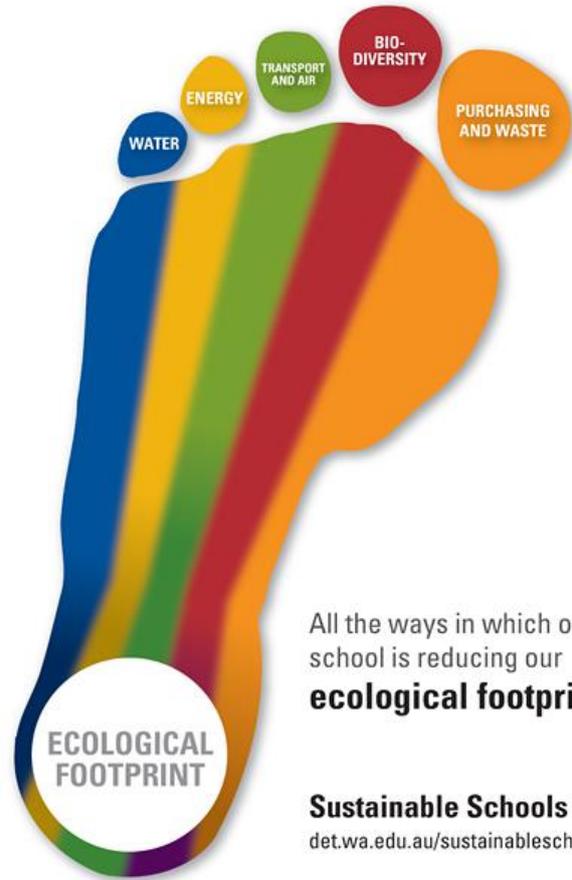
If you wish to know more about any of these programs, or how the CCP are evaluated, or to view the results of the 2018 assessments, the Cross Curriculum Leader welcomes your questions.

Sustainability

100 Tonne Plan

The school is on track to achieve our most recent 100 Tonne Carbon Emissions Reduction target this year. On average, our various tree planting, waste management, water saving, solar power production and transport actions reduce carbon emissions by 8 tonnes per month. In total, since starting to monitor our carbon emission reductions in 2011, we have reduced our emissions by a total of 510 tonnes!

Our emissions reduction target for 2019 is to achieve the 200 Tonne Carbon Emissions Reduction Plan by the end of 2019, our 2017-2019 Business Plan target.



Eco Footprint

1. Biodiversity Action:

River Rangers in 2018

What a great year the River Rangers experienced!

All students across the school have benefited from Coolbinia PS being a River Rangers school:

K- Year 5: Water Catchment Model activities, working with Noongar artists, Jade Dolman, Lea Taylor and Sharyn Egan.



Water catchment model in K & PP.



Jade Dolman working on mural.

Year 6: Term 1: Brainstorm preferred River Rangers activities, International Women's Day Breakfast & sharing session, Catchment model interactive, Clean-up Day, GRIP Leadership Conference, Harmony Week celebrations, World Water Day morning fitness activities, Acacia (formerly RSL) Care Menora visit and Dwellingup Camp.



Catchment model in use.



Dwellingup Camp.

Term 2: Carbon Kids biodiversity incursion and Scitech excursion, dragonfly project, Artopia – Biodiversity exhibition, and robotics lessons focusing on environmental issues.

Term 3: Tree Planting with buddy classes and in Yokine Reserve, litter collection in the bushland, preparation for and attending the Kids Teaching Kids in Mandurah, Red Cross incursion “In Search of Safety”, and excursion to Eric Singleton Bird Sanctuary.



Planting at Yokine Reserve.

Term 4: National Water Week activities, Zoo Camp, Bushland clean-up, water testing at Matilda Bay and UWA STEM excursion.



Water testing Matilda Bay.

The River Rangers program provided nearly \$20,000 this year to enable all these learning experiences to happen. Sincere thanks to Dept of Biodiversity, Conservation and Attractions and the Dept of Communities and Local Government. We are extremely fortunate to be a River Rangers school as this program facilitates the personal growth and citizenship knowledge, attitudes, skills and behaviours of our children.

Our Vision for River Rangers in 2019

All year levels are involved in River Rangers, with funding support on an increasing scale from Kindy to Year 6. We will be arranging two Year 6 camps: Dwellingup (Term 1) and Zoo Camp (Term 4).

There will be excursions every term for Year 6 students. These students have brainstormed their excursion and activity preferences and some of those included: visits to eco centres and parks, waterwise activities, gardening and cooking, water based activities and tree planting. Based on student preferences a wide range of environmental and sporting activities will be undertaken throughout the year with the aim of building their leadership skills, environmental stewardship and learning about the rights and responsibilities of being an Australian citizen.

Kindy to Year 5 children will also have funds allocated to their classes, so they can learn more about the Swan Canning Riverpark and caring for our bushland.

Roots & Shoots Club



Roots and Shoots is a voluntary lunchtime club for children from Years 1-6. Our Roots & Shoots Club had an exciting and productive year in 2018, including the Perth Zoo conference, bush walking and gardening activities at school.

Our Vision for Roots & Shoots in 2019:

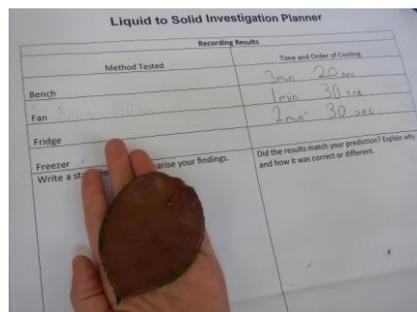
The major event for this year is the Roots & Shoots Conference at Perth Zoo, while gardening, bush walking and bug collecting sessions will happen throughout the year.



STEAM (Science, Technologies, Engineering, Arts and Mathematics)

Chemical Science and ... Cooking in 2017

The Kwobadarn Kitchen was very busy throughout 2018, for example, Year 3s conducted Chemical Science experiments related to heating and cooling, making chocolate leaves, melting ice cream under different temperature conditions and making damper with bush herbs.



Recording Results	
Method Tested	Time and Order of Cooling
Bench	3min 20sec
Fan	1min 30sec
Fridge	2min 30sec
Freezer	

Write a statement to describe your findings. Did the results match your prediction? Explain why and how it was correct or different.

Coolbinia's focus on STEAM will continue in 2019, with outstanding learning experiences planned. Watch this space!

In Semester 1,2019 we will be engaged in a whole school STEAM project based on our school bushland.

Our Vision for Gardening in 2019

All students will continue to be involved in our gardening and cooking program. This includes learning about ladybirds and caring for them in our classrooms, planting in class raised beds and participating in Curtin University's Mildew Mania program (growing barley).

Wildlife at School in 2018

A Tawny Frogmouth visited our school last year. This photo was taken near the Early Childhood bushland area.

Throughout 2019 we expect to again be visited by our Tawny Frogmouth friends, bobtails, birds and many more!



Thanks to Parent Volunteers in 2018

Sincere thanks to parent helpers for:

- ✚ Maintaining the Kwobadarn – cleaning and checking equipment/stock
- ✚ Helping with cooking lessons
- ✚ Weeding
- ✚ Providing plants for the assembly garden
- ✚ Helping at excursions and incursions

Without parent help we wouldn't be able to provide the amazing learning opportunities that we do! Some parents have expressed interest in helping with the kitchen and gardening programs this year. Thank you to all parent helpers.

2. WasteWise:

2018 was another successful year of waste management interventions at Coolbinia Primary. Our recycling initiatives included:

- ✚ batteries
- ✚ old toothbrushes & oral care packaging
- ✚ mobile phones
- ✚ plastic bread bag clips
- ✚ old pairs of glasses
- ✚ ink cartridges
- ✚ paper and cardboard
- ✚ coffee pods

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

Our school also recycles:

🌱 food waste by worm farming and composting

Different Year 4 classes managed the WasteWise program throughout 2018 and this will continue in 2019. These Waste Warriors collect food scraps and recycle them in worm farms and compost bins. Great job Waste Warriors!

Students learn about the benefits
of worm farming and care of worms ...



During 2018, Nude Food Tuesdays was a special focus of all our Waste Warriors and their teachers. Many thanks for their excellent work in running this initiative. Nude Food refers to student lunchboxes containing food without wrapping. Information about healthy, nude food lunches may be found at:

<https://www.kitchengardenfoundation.org.au/content/pick-mix-1-6-lunchbox-poster>

Please continue our focus on Nude Food this year and use all our recycling bins.



Thank you for contributing to our Wastewise initiatives throughout 2018!

3. WaterWise:



Proud to be a
**Waterwise
School**

Perth Catchment Model

World Water Day (Term 1) and National Water Week (Term 4) were major Waterwise events held at Coolbinia PS last year.

<https://www.watercorporation.com.au/about-us/media/media-releases/media-release/coolbinia-primary-school-celebrates-national-water-week>



Students promoting National Water Week at our River Rangers Swan River mural.

Year 3 students are our Water Warriors. They collect 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.

Investigating water quality of local lakes at Scitech.



As an active Waterwise School we had representation on the Water Corporation's Teachers Reference Group.

In 2019 we will continue our commitment to being Waterwise and this will include Water Corporation Education officer incursions being conducted throughout the year.

Education is the key for water saving at home. Visit [watercorporation.com.au/save-water](https://www.watercorporation.com.au/save-water) and [watercorporation.com.au/whatsyourwaterstory](https://www.watercorporation.com.au/whatsyourwaterstory) to find out how you can save water.

4. EnergySmart:

Activities in 2018:

Students learnt about solar energy as part of their Science, Technology, Engineering and Mathematics (STEM) studies. For example, they monitored one of our three inverters to record how much energy was produced in one hour from one group of solar panels (nearly 9kWh).



Students also made lego windmills driven by solar power and observed the impact of tilt and tree branches on the energy produced by a small solar panel.



Students across the years have participated in solar cooker lessons. In the background of the solar cooker photo you can see some of our solar panels. Our 73 solar panels on the school roof continue to reduce our electricity costs and carbon footprint. Whole school daily actions to reduce electricity are also being implemented, contributing to our EnergySmart goals.

Our Vision for 2019:

On 1 February 2019 our solar power system had generated 109967kWh and saved 103743kg of CO₂ from being released into the atmosphere since 13 September 2012. We will continue to monitor our electricity usage this year and implement actions to reduce our school electricity costs. Students will learn how they can contribute to this aim.



5. Your Move:

We achieved our 2018 goal! Coolbinia PS was awarded Platinum level in Your Move (TravelSmart). This is a huge achievement. Congratulations to all Your Move (YM) supporters!

Year 5 students organised a range of YM events throughout the year, for National Ride to School Day, Walk Safely to school Day, World Car Free Day, Walk Over October and Fume Free Fridays. The YM teams, from Room 7 and 8, prepared posters and made announcements to promote our special events. Raffle tickets, stickers and other prizes were distributed to children coming to school in a YM way.

Please continue to support YM in 2019: every Friday is a Fume Free Friday! Our new Year 5s will soon be organising our first event for the year: National Ride to School Day!

Social Handprint

1. Student Wellbeing:

Amongst numerous other events in 2018, our instrumental students visited Acacia (formerly RSL) Care Menora to present a strings concert. This opportunity enhanced our students' performance skills, as well as their personal confidence ... while the residents smiled, clapped and tapped their toes to the items.



Instrumental concert.



Anzac Day ceremony.



2. Aboriginal Cultures:

An aspect of our engagement with the Aboriginal and Torres Strait Islander Cultures and Histories Cross Curriculum Priority was demonstrated throughout 2018 by Noongar artists working in our school. Sharyn Egan, Noongar artist, worked with students from Year 3, creating paintings of frogs and long-necked turtles, while Jade Dolman worked with students across all years to create the early childhood nature playground mural.



Sharyn Egan worked with Yr 3s.



Jade Dolman worked with K-6 students.

Exciting projects with Noongar educators will again be undertaken in 2019, for example:

- ✚ Jade Dolman and Sharyn Egan will be artists working with classes to enhance our bushland studies.
- ✚ Leonard Thorn and Trevor Walley will be conducting guided walks in our bushland.

Watch this space!

3. Cultural & Social Diversity:

2018 provided many opportunities to engage with Asian Cross Curriculum Priority. For example:

Year 3 & 5 guest speaker sharing her experience as a refugee. This was part of the 'Shoes for Refugees' STEAM program.



Bollywood performance as part of our whole school Harmony Week learning experiences.



The annual review of the Australia's Engagement with Asia Cross Curriculum Priority was conducted at the end of last year. The school reviews the effectiveness of the implementation of this priority, every year and makes changes based on teacher and student feedback.

Our vision for 2019, in relation to the Asian Cross Curriculum Priority, will be to provide more valuable and engaging learning experiences for our children, with particular emphasis through our STEAM programs.

4. Community Partnerships:

In 2016, as a founding member of the Global Citizenship Schools program, our school was invited to participate in the first United Nations Association of Australia WA Division's conference: *Tomorrow's Citizen Leaders – Local to Global*.

In 2018 six Year 5 students represented the school at this conference, which was held at Parliament House. The students outlined a project on clean water they developed to address different United Nations Sustainable Development Goals. This project will continue to be implemented this term as part of Harmony Week celebrations, now that these students are Year 6 leaders. All Year 6s will be invited to participate in organising the school-wide project.

Harmony Week stalls.



We greatly appreciate the support provided by United Nations Association of Australia WA Division, enabling our children to participate in this citizenship experience, which is an outstanding educational opportunity.

Another community partnership that has been extremely beneficial for the students at Coolbinia Primary, as well as the local community, is with the South East Regional Council for Urban Landcare (SERCUL). For example, SERCUL's Phosphorus Awareness Project donates seedlings to our school as part of a grant received from DBCA. These seedlings are planted in our bushland. SERCUL also conducts free education programs, such as learning about Perth's catchment using a hands-on

catchment model, and workshop sessions about local frogs, turtles and dragonflies. The school is very thankful to SERCUL for all the support provided.



Students planting trees from SERCUL on a sloping site in our bushland.

Other community partnerships continued throughout 2018 were with the WA Chapter of the Australian Association for Environmental Education, Little Green Steps, Acacia (formerly RSL) Care Menora, Sir David Brand School, the One World Centre, ReMida and Millennium Kids. During the coming year we aim to enhance these partnerships and be open to new friendships that support the education of our children.

5. Economics & Built Environment:

Boya Currency

Boyas are our local currency created to acknowledge and reward environmentally and socially supportive actions. Boyas can be used to purchase packets of seeds and other items related to sustainability education.



Aboriginal Cultures and Histories

PALS Grant

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

In 2018 we addressed the 'student engagement and community participation' focus. For example, students in PP, 1 & 3 participated in a weaving workshop with award-winning Noongar weaver, Lea Taylor.



Coolbinia PS will again participate in a PALS project this year. The theme will be related to our bushland, as part of our bush trail STEAM project.

NAIDOC Week Grant

The school was also successful in being awarded a NAIDOC Week grant last year. This enabled our best-ever NAIDOC Week celebrations to be conducted.

Students creating the sand art on the oval for NAIDOC Week.



The school will apply for another NAIDOC Week grant this year to showcase our work with Noongar educators working with our children in our bushland studies.

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.

Throughout 2018, and continuing into 2019, our school will work to contribute to:

- 🚩 Global Goal 13 (Climate action) through our work on 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 projects.

Please feel very welcome to email me or visit me in the Kwobadarn if you would like to have a chat about any aspect of the implementation of the Cross Curriculum Priorities.

Sincerely

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Roots and Shoots Coordinator

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12 February 2019