



**Ashdale
Primary**

"A school of excellence"

Sustainability Plan 2018 -2021



ASHDALE PRIMARY SCHOOL SUSTAINABILITY PLAN 2018 – 2021

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ASHDALE PRIMARY SCHOOL

SUSTAINABILITY PLAN 2018 – 2021

SECTION A: EXECUTIVE SUMMARY

A1. Vision Statement

The Ashdale Primary School community is committed to the development of a sustainable school that endeavours to use best sustainability practices to develop each student's personal understanding, knowledge and empathy for environmental issues. Through ongoing programs that develop environmental consciousness and more sustainable ways of doing everyday activities, we strive to make our school environment a more pleasant place to work, play and live.

A2. Rationale

This Vision Statement can be realised with the assistance of a “whole of school” sustainability program.

Through the development of Ashdale Primary School's *Sustainability Plan 2019– 2021*, the school community will:

- Gain a greater appreciation and understanding of the principles of sustainable development and operations;
- Use its knowledge of environmental management practices to apply best practice within the school environment, home and local community;
- Identify areas of the school environment that can be managed more effectively to meet sustainability objectives;
- Procure skills and knowledge to manage key elements of the school environment and engage in “hands on” environmental projects;
- Develop a greater understanding of the impact of people on the natural environment;
- Design and apply mechanisms to monitor, evaluate, review and report the school's sustainability progress;
- Communicate sustainable principles and practices to the broader community;
- Foster development of a culture that recognises the value of sustainability and living harmoniously with the environment;
- Encourage, at the level of the individual, the home and the wider community, a commitment to integrating environmentally sustainable philosophy and practice into daily life.

A3. Project Summary and Timeline

Table 1 below provides a summary and timeline of specific projects that will be implemented through the Sustainability Plan. The *Key Focus Area* column refers to Section B of the Plan. Annual outcomes are summarised in Section C: Auditing and Review.

Table 1: Project Summary and Timeline

Key Focus Area	Goal	Commencement (Year and Term)				Responsibility	Completion By	Evaluation
		2018	2019	2020	2021			
Healthy Lifestyle Reduce, Reuse, Recycle Cultural Integration	Establish a written Plan for Sustainability for 2019-2021	3				Jo Utting Dionne Leighton- Harris Committee	September 2018 Completed	Annually
Reduce, Reuse, Recycle	Engage MRC to conduct a waste audit of Ashdale Primary School	3				Jo Utting	August 2018 Annually Completed	Review audit results, 2019 T4
Reduce, Reuse, Recycle	Submit application for Waste Wise Accreditation	3				Jo Utting	August 2018 Annually	Review audit results, 2019 T1
Healthy Lifestyle Reduce, Reuse, Recycle Cultural Integration	Continue to develop and implement a guided one to one sustainability program with students experiencing difficulties accessing the curriculum due to self - regulation, social or emotional issues (eg students who have experienced trauma or high levels of anxiety)	3				Jo Utting	On going	Annually
Reduce, Reuse, Recycle	Year 5's to participate in Compost in a Bottle Incursion. Establish as annual incursion for Year 5 cohort.	3				Jo Utting Marika Michel	August 2018 Annually Completed	Review Annually
Reduce, Reuse, Recycle	Year 6's to participate in Wonderful Worm's Incursion. Establish as annual incursion for Year 6 cohort.	3				Jo Utting Year 6 Leader	July 2018 Annually Completed	Review Annually

Key Focus Area	Goal	Commencement (Year and Term)				Responsibility	Completion By	Evaluation
		2018	2019	2020	2021			
Reduce, Reuse, Recycle	Implement the Greenbatch Plastic Recycling Program for the recycling of PET plastic (number 1)	3				Jo Utting Dionne Leighton-Harris	June 2018 Ongoing Commenced	Ongoing evaluation for feasibility
Healthy Lifestyle Reduce, Reuse, Recycle	Increase the commitment of our school community to supporting waste wise lunches on Wednesdays with the ultimate goal being waste wise every day	3				Dionne Leighton-Harris Committee	On going Commenced	Annually
Cultural Integration	Creating lasting partnerships with Indigenous Elders and Indigenous community members to further develop cultural awareness and appreciation	3				Jo Utting Dionne Leighton-Harris	On going Commenced	Ongoing
Healthy Lifestyle Reduce, Reuse, Recycle Cultural Integration	Provide cooking opportunities for students using produce grown in the community and edible gardens	3				Jo Utting	On going Commenced	Annually
Reduce, Reuse, Recycle	Reduce the amount of photocopies and paper used with the school.	3				Sustainability Committee Jayne McKernan	On going	Each Term / Annually
Cultural Integration	Using PALS funding establish a Bush Tucker garden in the Community Garden which links to the Noongar seasons.	4				Sustainability Committee	November 2018 Completed	Evaluation after event
Cultural Integration	Using PALS funding establish an annual whole school Indigenous event to further develop cultural awareness and appreciation		1			Jo Utting Cultural Committee Sustainability Committee	December 2019 Ongoing	Evaluation after event
Reduce, Reuse, Recycle	Accessing external providers such as Tamala Park, Whiteman Park etc for their sustainability excursions		1			Dionne Leighton-Harris Jo Utting Sustainability Committee	April 2019 On going Completed	Annually

Key Focus Area	Goal	Commencement (Year and Term)				Responsibility	Completion By	Evaluation
		2018	2019	2020	2021			
Healthy Lifestyle Reduce, Reuse, Recycle	Develop and implement a Litter Reduction Program		2			Jaye Allam Committee	December 2019 Ongoing	Review Annually
Reduce, Reuse, Recycle	Establish an ongoing relationship between the Sustainability Committee and the P&C to ensure all P&C initiatives and events are as sustainable as possible.		2			Jo Utting Dionne Leighton- Harris P&C	On going Commenced	Renew at AGM annually
Reduce, Reuse, Recycle	Install permanent signage in the Community garden to highlight sustainability initiatives.		2			Jo Utting	December 2019	Annually - Maintenance
Cultural Integration	Install two extra flag poles for the Aboriginal Flag and WA State Flag		2			Jo Utting Cultural Committee	March 2020	N/A
Healthy Lifestyle Reduce, Reuse, Recycle Cultural Integration	Promote the schools sustainability initiatives via the school's website		3			Jo Utting	December 2019	Update Each Term
Reduce, Reuse, Recycle	Establish a 'Reuse Library' for staff to share recyclable resources		3			Shayna Nichols	December 2019	Annually
Healthy Lifestyle Reduce, Reuse, Recycle	Establish a biennial partnership with Captain Clean Up which encompasses POLT years.		4			Dionne Leighton- Harris	December 2019 On going	Biennially
Reduce, Reuse, Recycle	Trial 'No bin' days where students take all waste from lunch boxes home.			1		Dionne Leighton- Harris	April 2020	Review after Trial

Key Focus Area	Goal	Commencement (Year and Term)				Responsibility	Completion By	Evaluation
		2018	2019	2020	2021			
Healthy Lifestyle Reduce, Reuse, Recycle Cultural Integration	Embed sustainability leadership roles in the culture of the school and classroom.			1		Jo Utting Dionne Leighton- Harris Committee	December 2020	Annually
Healthy Lifestyle Reduce, Reuse, Recycle	Participate in the City of Wanneroo Garage Sale Trail			3		Sustainability Committee P&C	October 2020	Evaluation after event
Healthy Lifestyle Reduce, Reuse, Recycle	Establish a Walking School Bus for transportation of students to and from school				1	Sustainability Committee	December 2021	Annually

SECTION B: KEY FOCUS AREAS

B1. Healthy Lifestyle

We can care for our physical and emotional wellbeing, care for others and care for the community to nurture happy, healthy people and a healthy planet.

Objectives

To promote healthy lifestyles, Ashdale PS will:

- a) **Healthy eating:** Encourage children to make appropriate and informed choices regarding fresh, whole, preservative-free foods through education and real-life experience.
- b) **Sustainable choices:** Provide education and support for the consumption of local, nutritious, sustainable and ethically produced food and drink that demonstrates commitment to the environment, social responsibility and animal welfare.
- c) **Plant to Plate:** provide a real life context for understanding the value of growing food, using practices that consider biodiversity, ecological balance, ethical, safe (chemical-free, GM-free) and sustainable methods.
- d) **Physical wellbeing:** Cultivate children with a strong understanding of the value of good diet, physical activity, warmth and natural light for optimal functioning as human beings.
- e) **Personal development and wellbeing:** Promote childhood development of values, skills and self-confidence to equip children to make constructive and meaningful contributions to their family, community and environment.

B2. Reduce, Reuse, Recycle

We can minimise our ecological footprint through expanding our consciousness of the planet's finite natural resources and mitigating the environmental impact of our activities, creating a healthier world for us all.

Objectives

To minimise the amount of waste, water and energy usage through greater efficiencies, better practices and alternative sources, Ashdale PS will:

- a) **Energy:** Implement day-to-day energy management, energy efficiencies and renewable energy sources such as solar and biomass energy, insulation, low-power technologies and appliances, and solar power.
- b) **Water:** Actively manage daily water consumption practices as well as investigate and utilise water conservation opportunities including rainwater harvesting, grey water recycling and sustainable drainage systems.
- c) **Purchasing and waste:** Minimise waste produced at all levels of operations, promote an ethos of sustainable consumption and use goods and services of high environmental and ethical standards from local sources where practicable.
- d) **Travel and traffic:** Encourage activities and provide facilities that support healthier, less polluting and safer modes of transport including car-pooling, public transport, walking and cycling.

B3. Cultural Integration

We can expand our cultural integration through an awareness and appreciation of how indigenous cultures have an inter-connectedness with their local environment and beyond.

Objectives

To increase cultural awareness and integration through experiences and develop an appreciation for cultural seasonal food practices, Ashdale PS will:

- a) **Cultural Experiences:** Provide real life experiences to increase cultural awareness and build relationships with local, state and federal indigenous members and groups; and other cultures represented in our school's demographic.
- b) **Cultural Planting:** Plant herbs, trees and shrubs from various cultures to promote an understanding of seasonal food practices and cultural cooking.
- c) **Indigenous Art:** incorporate indigenous (aboriginal) artwork and bilingual signage in the community garden and school to further enhance indigenous (aboriginal) storytelling and sustainability practices.

SECTION C: REVIEW

This section contains progress updates, annual reviews and records of activities undertaken by teachers, school staff, students, parents and the broader school community during the school year.

C1. 2018 Progress and Review

Projects and activities undertaken by the school community during 2018 (as at 10/12/2018) include:

Sustainability Projects & Activities		
Project	Details/Progress	Further Action Required?
Development of school Sustainability Plan	Developed <i>Sustainability Plan 2019 – 2021</i> . Presented to School Board & all Staff.	Annual updates required at the end of each school year. Progressive implementation of Plan.
Apply for Waste Wise accreditation	Received accreditation.	Annual reporting required to keep accreditation
One to One Program	Program engaging individual students in sustainability projects who are struggling in a classroom setting.	Continue developing the program to meet the social & emotional needs of individual students.
Worm Farms	Established as a year 6 project. Includes the care and maintenance of the worm farms on a weekly basis.	Needs revamping to ensure accountability when students are completing tasks unsupervised.
Compost	Established as a year 5 project. Includes emptying small caddies in each block and maintaining compost tumblers and bins on a daily basis.	Needs revamping to ensure accountability when students are completing tasks unsupervised.
Energy Monitors	10 minute meetings every few weeks with two representatives from each class to talk about saving energy at school.	Consider expanding this classroom role. Quantifying savings in a report for students and staff.
REmida Membership	Renewed membership and advertised in the DB.	Review staff use of this membership. Is it of value?
Recycling Hub	Mobile hub which provides a place to recycle oral care, beauty products, batteries, contacts, coffee pods etc. Contamination is an issue.	Establish a roster for parents to empty bins and maintain. More education /advertising required.

Project	Details/Progress	Further Action Required?
Staff Recycling Bins	Individual bins for recycling glass, plastic, paper, food scraps, cans etc placed in the staff eating area. Was not well received. Contamination an issue.	Establish a roster for staff to empty bins and maintain. Reduce the number of bins. More education /advertising required.
Seasonal Maintenance in the Community Garden	Year 2 fortnightly program that involves classroom teaching and hands on maintenance in the garden	No. Continue program.
Wicking Beds	Rebuilt existing beds into wicking beds.	Present procedure via images in the classroom to future year 2 classes.
Planting crops / trees in the Community Garden & Kindy / Pre Primary Garden.	Planting projects with students - Kindy, Pre Primary, Year 2 & Year 6 leaders.	Encourage more cooking and use of produce. Include other year groups.
Derbarl Yerrigan (Swan River) Artwork	Whole school project installed in the Community Garden. A concrete path embedded with rocks painted by every student in the school - representing the Derbarl Yerrigan (Swan River) and the story of the Rainbow Serpent. The students paintings were inspired by a previous visit from Noongar Elder Neville Collard.	No. May need maintenance in the future.
Bush Tucker Incursion	Whole school incursion with Noongar Elder Neville Collard teaching students about local bushtucker. Construction of a bushtucker garden in the Community Garden. Well received.	No
Can recycling	Can cage located near gravel carpark. Can bins located in each block - emptied daily by year 5 students.	No. Continue program.
Red Cycle recycling	Red Cycle bins located in each block. Issues with overfilling, litter, contamination and roster for taking away. Put bins away at this stage.	Review this initiative. Establish a roster for parents to empty bins and maintain. More education /advertising required before bins go out again.
Waste Wise Wednesdays	Encourage students to bring a waste free lunch box on Wednesdays. Limited support from some classes.	More advertising and education needed to involve whole school.
Greenbatch Program	One bin placed out for the collection of PET 1 plastics.	Requires more investigation and liaison with ASC.
Captain Cleanup Incursion	Whole school incursion with various sustainability messages targeted at different cohorts.	Establish as a biennial event.

SECTION D: SCOPE & SEQUENCE

This section contains the current and future scope and sequence for all year levels for a whole school approach to sustainability.

D1. Whole School Scope & Sequence

	K	PP	1	2	3	4	5	6	SPECIAL PROGRAM	
COMMUNITY GARDEN	Plant a crop (water, maintain, pest control, harvest, use)	Plant a crop (water, maintain, pest control, harvest, use)	Plant a crop (water, maintain, pest control, harvest, use)	Plant a crop (water, maintain, pest control, harvest, use)	Plant a crop (water, maintain, pest control, harvest, use)	Plant a crop (water, maintain, pest control, harvest, use)	Plant a crop (water, maintain, pest control, harvest, use)	Plant a crop (water, maintain, pest control, harvest, use)	One to one program learn life skills about planting, maintenance, harvesting, composting & worm farms	
				Seasonal maintenance			Composting from food scrap bins	Worm farm upkeep and whizz collection		
SUSTAINABLE PRACTICES	Energy monitors (lights, A/C, ICT equipment, waste management) etc.	Energy monitors (lights, A/C, ICT equipment, waste management) etc.	Energy monitors (lights, A/C, ICT equipment, waste management) etc.	Energy monitors (lights, A/C, ICT equipment, waste management) etc.	Energy monitors (lights, A/C, ICT equipment, waste management) etc.	Energy monitors (lights, A/C, ICT equipment, waste management) etc.	Energy monitors (lights, A/C, ICT equipment, waste management) etc.	Energy monitors (lights, A/C, ICT equipment, waste management) etc.		
	Waste Wise Wednesday									
	Crunch n Sip									
	Travel Smart 'Walking Schoolbus'									
							Can collection from block bins -->cage	Paper recycling (box collection --> recycling bin)		

	K	PP	1	2	3	4	5	6	SPECIAL PROGRAM
PLANT TO PLATE	Eating/cooking of crop	Eating/cooking of crop	Eating/cooking of crop	Eating/cooking of crop	Eating/cooking of crop	Eating/cooking of crop	Eating/cooking of crop	Eating/cooking of crop	Using community garden herbs in items made in onsite canteen
					Bush tucker cooking & tasting				
CULTURAL INTEGRATION	Aboriginal speakers & partnerships	Aboriginal speakers & partnerships	Aboriginal speakers & partnerships	Aboriginal speakers & partnerships	Aboriginal speakers & partnerships	Aboriginal speakers & partnerships	Aboriginal speakers & partnerships	Aboriginal speakers & partnerships	
	Bush tucker garden & aboriginal seasons	Bush tucker garden & aboriginal seasons	Bush tucker garden & aboriginal seasons	Bush tucker garden & aboriginal seasons	Bush tucker garden & aboriginal seasons	Bush tucker garden & aboriginal seasons	Bush tucker garden & aboriginal seasons	Bush tucker garden & aboriginal seasons	
INCURSION	Captain Clean-up "Binnerr R Winners"	Captain Clean-up "Binnerr R Winners"	Captain Clean-up "Water Warriors"	Captain Clean-up "Water Warriors"	Captain Clean-up "Energy Efficiency"	Captain Clean-up "Energy Efficiency"	Captain Clean-up "Graffiti"	Captain Clean-up "Graffiti"	
		Waterwise "Water Supply" or "Stormwater Pollution" or "Wastewater" or "Water Conservation"	Waterwise "Water Supply" or "Stormwater Pollution" or "Wastewater" or "Water Conservation"	Waterwise "Water Supply" or "Stormwater Pollution" or "Wastewater" or "Water Conservation"	Waterwise "Edible Aquifers" or "Microscopes" or "Water in Aboriginal Culture"	Waterwise "Water Recycling" or "Water Supply"	Waterwise "Storm water Pollution" or "Waste Water"	Waterwise "Desalination" or "Water Conservation"	
	Eco Faeries					Waste Wise Audit	Litter audit 'Compost in a Bottle'	"Wonderful World of Worms"	

	K	PP	1	2	3	4	5	6	SPECIAL PROGRAM
EXCURSION					Domestic waste plant, Neerabup Recycling Plant, Reuse Shop, Tamala Park	Ground water festival, Whiteman Park			
ENTERPRISE					Basil pesto sale			Worm whizz sales Fresh & dried herb sales	

Bold text – refers to current practice