

***SCHOOL ENVIRONMENT MANAGEMENT PLAN (SEMP) – SECONDARY CAMPUS**

**includes environmental, social/ cultural and economic dimensions*

School: Saint Michael's College

<p>Vision What will our school/site *environment be like in 3-5 years? How will we be living more sustainably?</p>	<p>Our vision is to develop a culture within our school community that recognises the shared responsibility to reduce our environmental footprint and promote the educational value of sustainability. We intend to create a balanced and equitable approach to the development of ecological programs within our curriculum that will enable our students to become informed, responsible, resourceful and respectful global citizens.</p>
<p>Values Which of our current site values connect with education for sustainability and our vision (e.g. care, respect, and equity)?</p>	<p>community challenge choice</p> <p>Priority Set 1: Enhance individual experience of a contemporary Catholic, Lasallian community through faith and service Initiatives</p> <p>Priority Set 2: Ensure a quality, authentic and well- articulated model of Lasallian teaching and learning for the future</p> <p>Priority Set 3: Foster an inclusive and respectful environment that supports staff and students to flourish</p> <p>Priority Set 4: Provide personalised learning experiences that empower individuals to better choose pathways for life</p> <p>Priority Set 5: Promote opportunities for community members to be positively engaged in ways that enable personal and collective growth</p>
<p>Rationale Why we want to become more sustainable.</p>	<p>In order for our students, staff and wider community to;</p> <ul style="list-style-type: none"> • become critical consumers • make informed decisions for the benefit of current and future generations • reduce their ecological footprint • make sustainable lifestyle choices • empower students to make change • follow the example set by the staff
<p>Context What is unique to our site that we need to consider in planning for improvement?</p>	<ul style="list-style-type: none"> • Coeducational Year 7 to 12 • School situated in a residential beach side western suburb • A number of our students are voluntarily engaged in our emerging Environmental Program, which includes Year 7 and 8 Eco Squads involvement in the school sustainability projects, such as the garden and waste management programs
<p>Links with other site plans and policies e.g. Site Learning Plan</p>	<p>Strategic Priorities – Living the Mission – 2014-2017 Australian Curriculum Development and Planning Religious Education Curriculum Laudato Si</p> <p>Building Masterplan: <i>All existing lighting will be replaced by LED lighting throughout the Campus with the exception of the areas being redeveloped (approx. 1,117 fittings will be installed) 645 solar panels will be installed on Founder's Hall roof and classrooms bordering La Salle Courtyard (200 kilowatt system)</i></p>

	Social Justice Program		<i>Vertia (the company engaged to coordinate the project) have assured an investment of \$703,000 will return an estimated saving of \$129,000 per annum (410 megawatt equating to 44% in annual electricity usage. Emissions reduction per annum 201t and CO2) Following the completion of the project the company will work with key stakeholders to provide pre and post data for analysis.</i>			
Leadership team (working group) The leadership team is ideally representative of the broader site community (students, staff, parents, community members) and reports to governance bodies.	SEMP Committee		College Leadership Team			
Community groups involved in site initiatives e.g. NRM Ed, OPAL	Community Partnerships NRM Education City of Charles Sturt Council KESAB Cleanaway Henley Beach Community Garden		Business contributions Adami's Sand and Metal		Estimated volunteer hours	
Core Indicators	We have used the Core Indicators to support planning for Education for Sustainability. Yes <u>No</u>					
Surveys Indicate when you have undertaken initial and comparative surveys/audits. Results can be linked to SEMP.	Survey 1	Yes ✓	Date undertaken	Survey 2	Yes ✓	Date undertaken
	Energy			Energy		
	Waste			Waste		
	Water			Water		
	Biodiversity			Biodiversity		
	Air Quality			Air Quality		
	Transport			Transport		
Action plans	Attach action plans (at the end of the SEMP): <ul style="list-style-type: none"> • Food Garden • Waste Management 					

SEMP key

(Yellow Background)	Introductory section (to be updated approximately yearly)
(Orange Background)	Theme section (to be updated approximately termly)
(Green Background)	Achievements (to be updated when achievements are met)
(Purple Background)	Core Indicators (to be updated approximately termly)
(Blue Background)	Action Plans (to be updated quarterly/at every meeting)
Red Text	Text to check or change
Green Text	Completed items

Energy	Water	Waste (associated action page)	Social/Cultural
Connections to Curriculum	Connections to Curriculum	Connections to Curriculum	Connections to Curriculum
Infrastructure changes e.g. solar panels	Infrastructure changes	Infrastructure changes <ul style="list-style-type: none"> Recycling & compost bins throughout the yard Recycle and compost bins in staff room, café, canteen and kitchen 	Infrastructure changes
Behaviours/norms/culture	Behaviours/norms/culture	Behaviours/norms/culture <ul style="list-style-type: none"> Promote the need to reduce and recycle Reduce litter in the school 	Behaviours/norms/culture
<u>Priority actions</u>	<u>Priority actions</u>	<u>Priority actions</u> <ul style="list-style-type: none"> Eco Squad to set up new recycling bins and learn how to manage them 	<u>Priority actions</u>

Biodiversity	Kitchen Garden Program (associated action page)	Transport	Economic
<p>Connections to Curriculum</p>	<p>Connections to Curriculum</p> <p>This project will provide hands on experiences which tie directly into the Sustainability cross-curriculum priority. At its core, this project will be a co-curricular activity allowing students to instigate change activities in their school environment. It will allow students through first hand investigations to gain understanding of;</p> <p>Systems</p> <p>O1.1 The biosphere is a dynamic system providing conditions that sustain life on Earth.</p> <p>O1.2 All life forms, including human life, are connected through ecosystems on which they depend for their wellbeing and survival.</p> <p>O1.3 Sustainable patterns of living rely on the interdependence of healthy social, economic and ecological systems.</p> <p>World views</p> <p>O1.4 World views that recognise the dependence of living things on healthy ecosystems, and value diversity and social justice, are essential for achieving sustainability.</p> <p>O1.5 World views are formed by experiences at personal, local, national and global levels, and are linked to</p>	<p>Connections to Curriculum</p>	<p>Connections to Curriculum</p>

	<p>individual and community actions for sustainability.</p> <p>Futures</p> <p>O1.6 The sustainability of ecological, social and economic systems is achieved through informed individual and community action that values local and global equity and fairness across generations into the future.</p> <p>O1.7 Actions for a more sustainable future reflect values of care, respect and responsibility, and require us to explore and understand environments.</p> <p>In addition to this, classes will have an opportunity to access the garden and work with the garden team. Examples of these links are;</p> <ul style="list-style-type: none"> • The Year 12 VET Outdoor Construction constructing the raised garden beds. • Year 9 Food Technology using produce from the garden in their cooking. • Lasallian Youth Leaders – using produce from the garden in social justice activities such as community sleep out/awareness raising nights • Year 7 Geography – Investigating how community spaces such as community gardens contribute to liveable cities and social connectedness 		
--	--	--	--

	<ul style="list-style-type: none"> Year 8 Geography – Investigating foods associated with Australia’s migration history as a consequence of migration Year 9 Geography – Investigating factors that influence crop yields in Australia and the challenges to food production 		
Infrastructure changes	Infrastructure changes <ul style="list-style-type: none"> 6 raised garden beds along Lawrie St 2 portable gardens at kitchen Compost Bins Garden shed 	Infrastructure changes	Infrastructure changes
Behaviours/norms/culture	Behaviours/norms/culture	Behaviours/norms/culture	Behaviours/norms/culture
<u>Priority actions</u>	<u>Priority actions</u> <ul style="list-style-type: none"> Eco Squad to set up new raised garden beds with wicking systems and learn how to manage them 	<u>Priority actions</u>	<u>Priority actions</u>

Annual Goals and Achievements – (WHOLE SEMP GROUP)

Targets to be Achieved 2019

- **Waste:** Reduce landfill waste by 25%
- **Food Garden:** Build and maintain a fruit & vegetable garden

SCHOOL/SITE ENVIRONMENT* MANAGEMENT PLAN (SEMP)

**can include environmental, social and cultural dimensions*

EDUCATION for SUSTAINABILITY ASSESSMENT USING CORE INDICATOR REVIEW TOOL		
Assessment to be undertaken in conjunction with (NRM) and SEMP Committee in 2020		
Challenging	Committing	Transforming

Estimated EfS Indicator stage	Starting	Challenging	Committing	Transforming
-------------------------------	----------	-------------	------------	--------------

Element	Sub-element	Focus Core Indicator(s) and strategies	Stage St/Ch/Co/Tr	Completed? Yes/No/ begun
Culture	Vision and Values			
	Interconnectedness			
	Whole school/site approach			
Understanding	Learning and Change			
	Learning for sustainability			
	A sustainability inquiry			
Learning*	Curriculum			
	Learning environment			
	Pedagogy			
Community	Community connections			
	Building capacity			
	Developing partnerships			
Managing*	Leadership			
	Governance			
	Planning and management			

SCHOOL ENVIRONMENT* MANAGEMENT PLAN (SEMP)

**includes environmental, social/ cultural and economic dimensions*

Action Plan 2019

Waste					
Target/s: Reduce landfill waste by 25%					
Action area identified e.g. Teaching & Learning, Curriculum mapping, Auditing, Communications, Infrastructure	Location	Strategies to achieve action Big idea (core ideas in a topic worth exploring in depth e.g. adaptation, equity) Inquiry questions	Who	Timeframe (date or week or term number)	Completed (date or week or term number)
Teaching & Learning	Turon Courtyard	Year 7 Eco Squad to conduct a waste challenge	RP, Year 7 Eco Squad & SEMP Committee	T1 2019	19/3/19
Teaching & Learning	Whole school - yard	Year 7 Eco Squad to participate in Clean Up Australia Day	RP, Year 7 Eco Squad & SEMP Committee	T1 2019	29/3/19
Teaching & Learning	Year 7 Area	Cleanaway and Kesab to participate in a recycling meeting with year 7 Eco Squad	RP, year 7 Eco Squad & SEMP Committee	T2 2019	9/4/19 & 28/6/19
Teaching & Learning	Year 7 Area	Year 7 Eco Squad to give presentation to John Foley about sustainability initiatives, with focus on waste management	RP, Year 7 Eco Squad & SEMP Committee	T2 2019	28/6/19
Teaching & Learning	Turon	Year 7 Eco Squad to learn how to manage recycle bins in Turon and Staff room	RP, Year 7 Eco Squad & SEMP Committee	T2 2019	T3
Auditing	Whole school	Kesab and Cleanaway to conduct a visit of our current waste streams	RP	T1 2019	Kesab – 12/3/19 Cleanaway – 9/4/19
Auditing	Whole school	Conduct a waste audit with Kesab	RP, Year 7 Eco Squad & SEMP Committee	T1 2020	
Communications	Senior SEMP	Create whole school waste management procedure	RP & SEMP	T1 2019	March

Year 2019

			Committee		2019
Communications	STAR & Facebook	Regular STAR articles and facebook posts on waste reduction initiatives and events	RP, Year 7 Eco Squad & SEMP Committee	Ongoing	March 2019
Communications	PC Notices	Eco Squad to communicate results from waste challenge and Clean Up Australia to students and staff	RP, Year 7 Eco Squad & SEMP Committee	T2 2019	T2
Communications	Pastoral Care	Recycle bin changes communicated to students and teachers in whole school	RP, Year 7 Eco Squad & SEMP Committee	T2 2019	T3 – Year 7/8 T4 – video 7 - 10
Infrastructure	Turon Courtyard	Set up recycle bins: Comingled & Food	RP, Year 7 Eco Squad, SEMP Committee, Maintenance	T2 2019	T3 – 6/8/19
Infrastructure	Staff Room	Set up recycle bins: Comingled & Food	RP, Year 7 Eco Squad & SEMP Committee	T2 2019	T3 – 15/10/19
Infrastructure	Kitchen, Canteen, Cafe	Set up recycle bins: Comingled & Food	RP, Year 7 Eco Squad, SEMP Committee, Maintenance	T2 2019 Canteen & Café – T1 2020	T3 – 30/8/19
Infrastructure	Food Garden	Set up compost bins	RP, Year 8 Eco Squad & SEMP Committee	T2 2019	T2
Infrastructure	Kitchen, Café, Canteen, School Events, Staff Room	Replace single use plastic and styrofoam with compostable and reusable alternatives	RP, Year 7 Eco Squad & SEMP Committee	T1 2020	
Infrastructure	Classrooms	Set up recycle bins: Comingled	RP, Year 7 Eco Squad & SEMP Committee	2020	
Evaluation How we will know we have achieved our goals.		Cleanaway invoices Kesab audit report Waste challenge results Reduction in landfill bins Introduction of recycle bins			

Food Garden					
Target/s: Build and maintain a fruit and vegetable garden					
Action area identified Teaching & Learning, Curriculum mapping, Auditing, Communications, Infrastructure	Location	Strategies to achieve action Big idea (core ideas in a topic worth exploring in depth e.g. adaptation, equity) Inquiry questions	Who	Timeframe (date or week or term number)	Completed (date or week or term number)
Teaching & Learning	Food Garden	Plant citrus trees	RP, CP & Year 7 Eco Squad	2018	T3 2018
Teaching & Learning	Anzac Courtyard	Plant rosemary	RP, CP & Year 7 Eco Squad	2018	T4 2018
Teaching & Learning	Community Garden	Visit Henley Beach Community Garden to learn about wicking beds	RP, AZ & Year 7 Eco Squad	2018	T3 2018
Teaching & Learning	Food Garden	Eco Squad to build wicking beds, fill gardens and plant vegetable seedlings in raised garden beds	RP, Year 8 Eco Squad & SEMP Committee	T2 2019	T2 2019
Teaching & Learning	Food Garden	Eco Squad to learn how to manage food garden	RP, Year 8 Eco Squad & SEMP Committee	T2 2019 & ongoing weekly	T2 2019
Teaching & Learning, Infrastructure	Food Garden	Set up compost bins and worm farms at food garden	RP, Year 8 Eco Squad & SEMP Committee	T 2 2019 T1 2020	T2 2019
Teaching & Learning	Food Garden, Kitchen & Cafe	Eco Squad to learn how to empty compost bins from Kitchen & Cafe and manage compost bins in food garden	RP, Year 8 Eco Squad & SEMP Committee	T 2 2019	T2 2019
Teaching & Learning	Kitchen	Year 8 Eco Squad to build wicking beds, fill gardens and plant herbs in portable gardens	RP, Year 8 Eco Squad & SEMP	T3 2019	24/5/19

Year 2019

			Committee		
Teaching & Learning, Curriculum mapping	Kitchen	Year 9 Food Technology students to learn how to look after portable gardens and how to pick herbs	RP, Food tech Teacher, Year 9 Food Tech students	T2 2020	
Teaching & Learning, Curriculum mapping	Art/Design	Eco Squad to design and build garden signs and garden artwork	RP, Year 8 Eco Squad, relevant teachers	T3 & T4 2019	T3 2019
Curriculum mapping	Woodwork	Year 12 VET team to build 4 raised garden beds	Year 12 VET	T1 2019	12/4/19
Curriculum mapping	Woodwork	Year 12 VET team to build 2 portable garden beds for kitchen	Year 12 VET	T2 2020	
Auditing	Whole school	Find best location to build new food garden. Measure and design area	RP, CP & Year 7 Eco Squad	2018	T3 2018
Communications	STAR & Facebook	Regular STAR articles and facebook posts on food garden initiatives	RP, Year 8 Eco Squad & SEMP Committee	T2 & Ongoing	Throughout 2019
Infrastructure	Food Garden	Build garden shed	Maintenance	T1 2020	
Evaluation How we will know we have achieved our goals.		Successful harvesting of fruit & vegetables Supply of some fruit & vegetables to food technology kitchen for Year 9 cooking program Sale of some vegetables to raise money for charity and ongoing gardening costs			