



College Education for Sustainability Policy

Carranballac College's Statement of Purpose:

In our unique, innovative and growing community we develop a passion for life-long learning so that students achieve individual excellence and are confident, capable, respected citizens of their local and global communities. (*Information Booklet Carranballac College 2003*)

Rationale for Education for Sustainability at Carranballac College:

Environmental education is an investment in our future. It empowers individuals to help protect and restore the integrity of the earth's natural systems. It protects living standards by promoting ecological sustainable lifestyles. (*Investing in the Future, Department of Education, Victoria May 1998*)

An essential part of the environmental education for sustainability vision is students learning to achieve a better understanding of the world in which we live and provide opportunities for them to be empowered to create a sustainable future. Within this vision, students' knowledge, skills, values and actions are enhanced through active, self-directed learning and ethically responsible citizenship. (*A National Environmental Education Statement for Australian Schools, 2005*)

Nine Guiding Principles:

Nine principles are outlined here as a basis on which to introduce an environmental and sustainability program to the college. (*10 Years of Learning through Landscapes, UK c1998*)

1. Creating opportunities for pupils to participate. Making decisions about their school grounds witnesses citizenship in action, which leads young people to gain a sense of belonging and an understanding of the roles they can play in the wider community.
2. Enriching the curriculum. Inspirational environments help children to learn.
3. Stimulating creativity. Making school grounds into places to motivate children and fire the imagination.
4. Enabling pupils to play. Play matters – providing resources to encourage a range of creative play activities at break and lunch-times.
5. Contributing to pupil's health and well-being. Encouraging healthy lifestyles and promoting self-esteem and positive attitudes towards others.
6. Creating places where nature may thrive. Using the richness of the natural world to provide hands on learning experiences, to instil a sense of wonder and nurture respect for life.
7. Encouraging responsibility through citizenship. To safeguard local and global resources for future generations and celebrate the uniqueness of individuals.
8. At the heart of local communities. Fostering links between schools, parents, community groups and local business.
9. Celebrating diversity. Reflecting the effectiveness of local communities within school grounds.

Aims of the Policy:

The aims of this policy are focussed on six factors, each impacting on human life

1. Air
To understand how clean air can enhance learning and living opportunities
2. Biodiversity
To improve the natural environment of the College by protecting and enhancing existing natural attributes, and incorporating biodiversity into every day school life

3. Community
To empower individuals to make decisions ensuring desirable and sustainable living conditions are an inherent part of the community.
4. Energy
To manage the use of energy in such a way as to lessen the impact on the natural environment; lower costs; and encourage efficient usage of energy consuming equipment and services
5. Waste
To develop a 'reduce, reuse, and recycle' attitude within the whole school community, in order to reduce the aesthetic, environmental and financial costs of waste and litter
6. Water
To prompt actions to reduce water usage and to appreciate water as a precious natural resource, in order to improve learning and living opportunities.

Objectives

1. Air
 - Allow access to fresh air in buildings and grounds
 - Develop the link between fresh air and educational outcomes
 - Develop the link between vegetation and fresh air
 - Incorporate student based activities to ensure access to fresh air for all
2. Biodiversity
 - Improve the natural appearance and enjoyment of the school grounds and natural surrounds
 - Incorporate student based activities to increase biodiversity levels in the school grounds
 - Become involved in local community activity
3. Community
 - Facilitate and encourage activities which enhance student community skills and attitudes
 - Actively participate in community based activity
4. Energy
 - Use resources and equipment efficiently
 - Choose appropriate energy saving methods
 - Incorporate student based activities to decrease energy usage
 - Reduce the costs of energy consumption
5. Waste
 - Incorporate reduce, reuse and recycle initiatives
 - Incorporate student based activities to decrease waste
 - Reduce the cost of landfill collections
6. Water
 - Use resources and equipment as efficiently as possible
 - Incorporate student based activities to decrease potable water usage
 - Choose the most effective means to reduce, reuse and recycle water
 - Reduce the costs of water consumption within our school

Implementation and Targets

See Environmental Management Plan (Table Format) below.

Responsibilities and Communication

- Roles

Lead person:	Science & Sustainability coordinator
Overseeing team:	Science & Sustainability team
Teacher leaders:	Appointed yearly
Student leaders:	Appointed yearly

- Responsibilities
 - The lead person will provide direction and advice, and give administrative support for the team.
 - The team will meet on a regular basis and decide on those actions which will promote and put into practice the education for sustainability policy.
 - All proceedings of the team will be reported to the College Director and staff.
 - The teacher leaders will liaise with the Science & Sustainability coordinator to assist the student leaders, who may in any other appropriate role, in order to best promote specific aspects of the policy.
 - Staff will support the implementation of the policy, as appropriate.
- Communication
 - The policy will be approved and made available for all.
 - The Science & Sustainability team will seek input from students and staff, administration, College Council and community.
 - All decisions and proceedings will be made available to all.
 - Visual displays will be created in spaces, assemblies and in other public places.
 - Student monitors and/or leaders will promote programs to staff, students and community
 - Newsletters, bulletins, intranet, display technology, networks and local media will be used as appropriate.

Evaluation:

- The policy will be evaluated against targets achieved and then reviewed as part of the College three year review cycle, or as required.

School Council last ratified this policy in November 2013	Review: November 2016	Policy No: 49	Date Produced: November 2013
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Carranballac College Environmental Management Plan (TABLE Format)					
Six Factors	Aim	Objectives	Implementation	Targets	Status Nov 2013
1. Air	To understand how clean air can enhance learning and living opportunities	<p>Allow access to fresh air in buildings and grounds.</p> <p>Develop the link between fresh air and educational outcomes.</p> <p>Develop the link between vegetation and fresh air.</p> <p>Incorporate student based activities to ensure access to fresh air for all.</p>	Establish monitors and team/s to oversee Audit & Action Plan	Establish	S = Started
			Plan the introduction of an 'air' program	Create	S
			Use professional learning	Attend	Y= Yes
			Study Botany, Health & other	Achieved	Y
			Use outdoor learning spaces and opportunities	Encourage the use of outdoor learning spaces	S
			Develop and enhance gardens	Create effective systems and protection for gardens Chicken & garden fence concept underway	S Y
2. Biodiversity	To improve the natural environment of the College by protecting and enhancing existing natural attributes and incorporating biodiversity in every day school life.	<p>Improve the natural appearance and enjoyment of the school grounds.</p> <p>Incorporate student based activities to increase biodiversity levels in the school grounds.</p> <p>Become involved in local community activity.</p>	Establish monitors and team/s to oversee Audit & Action Plan	Establish	Y
			Survey student knowledge	Achieved 2008 Planned 2014	Y Proposal
			Develop gardens to increase habitat for flora and fauna – building names	New gardens Protect gardens	Y
			Audit school grounds Study biodiversity in wetlands	Increase score by 15% Study	Y 2011 Y 2011-13
			Engage students, staff and parents in initiatives to lift levels of biodiversity	SEC frog ponds National Tree Days	Y Y Yearly
			Create wetland studies Work with Birdlike Aust, Parks Vic, Melbourne Water Establish Wetland Ecology Studies Centre	Achieved Commenced Commenced	Y S 2010 S Proposal
			Work with local council, Water Wise Month, National Tree Day, Waterwatch etc...	Achieved 2008 Ongoing	Y Y

Six Factors	Aim	Objectives	Implementation	Targets	Status Nov 2013
3. Community	To empower individuals to make decisions ensuring desirable and sustainable living conditions are an inherent part of the community.	Encourage community participation by all. Incorporate student based activities to increase levels of confidence, capability and respect.	Seek student input into improvements to policy & program areas House names – from local Point Cook features More engaged staff and students	Student input Continue SEC Review SEC 2014	Y Y Proposal
			Promote College activities in newsletter and local press and other media Liaise with College Duke of Education program Investigate start of a Wetland Ecology Studies Centre	Achieved Achieved Commenced 2012	Y Y S Proposal
		Use resources and equipment efficiently. Choose appropriate energy saving methods. Incorporate student based activities to decrease energy usage. Reduce the costs of energy consumption.	Participate in community activity – Compass/Duke of Education (Awards Victoria) Sustainability Festival, Greenhouse Games Challenge, Kids Teaching Kids	Achieved 2008 Achieved 2009 Achieved 2010	Y Y Y
			4. Energy	To manage the use of energy in such a way as to lessen the impact on the natural environment; lower costs ; and encourage efficient usage of energy consuming equipment and services	Establish monitors and team/s to oversee Audit & Action Plan
Promote energy efficiency practices for all equipment, lighting and heating - Servers on virtual	Reduce consumption by 10%	S			
Applied for the NSSP and SV grants – display units and portal connections to study College PV output. Renew display for students	Increase capacity of PV by 200% Online access	Y 2011 Y 2013			
Study Physics, Chemistry and other units of work relating to energy – various initiatives KTKs etc... Work with Science Coord on initiatives	Find funding for science equipment 2010 Room stickers Solar Boat competition	Y Y 2012 Y 2012			
AuSSI Vic Energy Module & DEECD Energy Efficiency Grant	Energy module & initiatives	2014			

Six Factors	Aim	Objectives	Implementation	Targets	Status Nov 2013	
5. Waste	To develop a 'reduce, reuse, and recycle' attitude within the whole school community, in order to reduce the aesthetic, environmental and financial costs of waste and litter	Incorporate reduce, reuse and recycle initiatives.	Establish monitors and team/s to oversee Audit & Action Plan	Enviro Campus 2010	Y	
				Create Waste Policy	Y	
		Incorporate student based activities to decrease waste.	Reduce the cost of landfill collections.	Recycle ewaste (old computers, screens, tape recorders, players etc..)	Each year from 2012	Y
				Ensure the paper recycling, printer cartridge, composting and other recycling systems work well	Monitor and promote RED plastic 2012/2013 Students don't print 2013	Y Y Y
		Study Geology, Soil Science and Chemistry, and other units of work.	Progressing	Y		
		Minimise waste on food items consumed by special focus days resulting from SEC initiatives, Envirocampus, Carranballac Litter Improvement Program	Decrease waste Reduce yard litter	S Y		
6. Water	To prompt actions that will reduce water usage and to appreciate water as a precious natural resource, which can enhance learning and living opportunities	Use resources and equipment as efficiently as possible.	Establish monitors and team/s to oversee Audit & Action Plan		Y	
				Carry out SWEP audit and recommendations	Reduce consumption	Y 2010 Y 2013
		Incorporate student based activities to decrease potable water usage.	Choose the most effective means to reduce, reuse and recycle water.	Study Geology, Hydrology, Soil Science and Chemistry, and other units of work.	Commenced	Y
				Increase knowledge of workings and capacity of existing water tank systems Install new tanks Install rain gardens Seek alternative water supply for Jamieson Way School Seek alternative water supply for Boardwalk School	Achieved Achieved Achieved Achieved Progressing	Y Y Y Y
		Reduce the costs of water consumption within the College.	Promote water wise practices	Progressing	Y	