

Creswick North PS SEMP ~ Strategic Environment Management Plan

VISION:

Continued exploration of environmentally sustainable practices is considered very important at Creswick North P.S. as we move into the future. We believe that fostering a positive attitude and appreciation of the environment amongst the children at the school will be extremely important as our students play such an important role in the future direction of our planet.

MISSION:

Creswick North Primary school recognises the need to become environmentally aware and develop protocols of sound environmental practice by listening to the thoughts of children. We see the need to:

- Protect and enhance the biodiversity of our environment when looking at the large expanse of our playground.
- investigate the possibilities of planting indigenous trees and shrubs
- incorporating gardening into our curriculum
- investigate the possibilities of reducing our waste via worm farms and chickens.
- try various methods to reduce, reuse and recycle a range of waste products.
- continue to conserve energy and save on energy costs at the same time.
- Town water usage has been considerably reduced with the use of two large water tanks linked into our toilet system and our gardening program.

SCHOOL STUDENT ACTION TEAM STATEMENT:

To be inserted here

Students and AG to insert here

- Developed and 'word smithed' by students
- Positive futures orientated
- Should also include a commitment statement

Overview of goals and target year

Priority One

Priority Two

Priority Three

WASTE Year 2007/08 Target 50% Reduction		WATER YEAR 2007-09 Target at least 10% Reduction		ENERGY ONGOING Target at least 10% Reduction		BIODIVERSITY ONGOING Target 20% Increase per year – including Local/community projects	
Goals		Goals		Goals		Goals	
Operations		Operations		Operations		Operations	
<p>Maintain and extend recycling and reuse systems</p> <p>Three bin system with different colours</p> <p>Conduct audit of waste and litter including skip audits (volume & frequency)</p> <p>Reduce amount of copy paper and newspapers purchased</p> <p>No packaged food outside of classroom policy</p> <p>Introduce chooks as part of the waste management system</p> <p>Reduce paper wastage</p> <p>Introduce printing on two side or already printed paper</p> <p>Develop an effective and managed compost system.</p> <p>Zero waste policy introduced (student take rubbish home) This may be a possibility after Rubbish free lunch?</p> <p>Create Email version of school newsletters and communications (non important communication)</p> <p>Replacing photocopied student work with e copies</p> <p>School Events are Waste Wise or Zero Waste</p> <p>E waste – mobile phones and print cartridges collected</p> <p>Follow where possible CEO Sandhurst green Purchasing policy</p>		<p>Maintain existing integrated watering system for gardens for when watering starts again.</p> <p>All gardens to be planned and operated using WaterWise principles</p> <p>‘AAA’ Shower head in staff toilet/ bathroom. (grant access)</p> <p>Installation of water tanks – tank to toilet where possible and/or vegie garden.</p> <p>Waste water quality in classrooms closely monitored eg art room</p> <p>Fix leaking pipes and old taps, drinkers etc</p> <p>Create water monitoring system with student action team</p> <p>Collection of water from drink taps for gardens</p> <p>Water saving method used when cleaning bins.</p> <p>Flow restrictors fitted to main use areas</p> <p>Installation of auto shut off taps/drinkers</p> <p>Baseline data updated annually (SETS)</p>		<p>Energy and air quality assessment (audit) undertaken (PSA)</p> <p>Greenhouse emissions audit (PSA)</p> <p>Introduce turn off & shut down regimes – computers, lights etc</p> <p>Signage for turn off strategies.</p> <p>Shut down regimes introduced</p> <p>Place thermometers in classrooms for chn to monitor.</p> <p>Heating & cooling settings reset to 18(heat) & 25(cool)</p> <p>Complete an EPA EcoFootprint of the school (www.epa.vic.gov.au)</p> <p>Plan for possible implementation of flat screen monitors for all computers</p> <p>Add 18amp timer to staff urn</p> <p>Increase of green screening planting at north facing windows</p> <p>Undertake a Planet Savers Carbon Audit and develop Carbon neutral policy & vision</p> <p>Investigate efficient globes.</p> <p>Purchase of green energy</p> <p>Investigate Solar Innovation grants Sustainability Victoria</p> <p>Delamp and relamp process And reflector panels fitted</p> <p>Baseline data updated annually</p>		<p>Continued development of school gardens and Connections Program</p> <p>Develop biodiversity audit of native plants and where possible animals</p> <p>Complete BD index rating</p> <p>Whole school development plan</p> <p>Habitat and weed assessment</p> <p>Record and identify native and provenance plants – field guide</p> <p>Create a butterfly attracting garden and surrounds</p> <p>Develop a integrated Native/indigenous planting guide for school grounds including bird & butterfly attracting designs</p> <p>Potted plants for ‘beautification’ of classrooms</p> <p>Continue planting of culinary plants, such as vegetables and herbs, orchard and an indigenous culinary garden</p> <p>Maintain vegie plots</p> <p>Plant more native grasses</p> <p>Create Habitat team – Student Action Team - SAT</p> <p>Apply for Landcare Grants – Paul D</p> <p>Baseline data updated annually (SETS)</p>	

<p>Photocopy free days</p> <p>Reduction of newspapers and cardboard</p> <p>General reduction of materials via green purchasing</p> <p>Carry in Carry out policy for packaging and lunch boxes</p> <p>Baseline data updated annually (SETS)</p>		(SETS)	
<p>WASTE Year 2007/08 Target 50% Reduction</p>	<p>WATER YEAR 2007-09 Target at least 10% Reduction</p>	<p>ENERGY ONGOING Target 45% Reduction</p>	<p>BIODIVERSITY ONGOING Target 20% Increase per year – including Local/community projects</p>
<p>Curriculum</p> <p>Environment Team to include an Waste Monitors SAT</p> <p>Excursions to local Material Recovery Facility (Creswick or Ballarat)</p> <p>Local shire waste officers work in school – Rosemary Angus (CHWMG), Thea Laidlaw (Hepburn Shire)</p> <p>Introduction of Resource Smart Waste (Waste Wise) schools curriculum</p> <p>Rubbish free and lunch order free days</p> <p>Explore opportunities for ‘better’ composting</p> <p>Use Chooks or worms as an integral part of system & waste curriculum</p> <p>Student led Waste audits in classrooms</p> <p>Create Waste action team (SAT)</p>	<p>Curriculum</p> <p>Environment Team to include an Water Monitors SAT</p> <p>Create professional development for key staff in relation to pre-existing water resources</p> <p>Implement water related themes and areas of study for all classes – eg water wise, salt watch and water watch concepts, streets to the creek etc (use of NC CMA)</p> <p>Introduce themes related to water conservation across all year levels – Save Water message</p> <p>Student led water use and water quality audits in classrooms</p> <p>Curriculum Audit to be undertaken and Sustainability extensions to be made to all existing plans and topics.</p>	<p>Curriculum</p> <p>Environment Team to include an Energy Monitors SAT</p> <p>Re -Integrate Energy Smart Schools curriculum and themes Levels 1 to 4</p> <p>Continue climate change related activities in all discipline areas</p> <p>Use the EPA Greenhouse Calculator</p> <p>Student conducted EcoFootprinting at home</p> <p>Student led energy audits in classrooms</p> <p>Curriculum Audit to be undertaken and Sustainability extensions to be made to all existing plans and topics.</p> <p><i>Other ideas</i></p> <p>Term 1 2009 – Whole school energy unit – Inquiry question –what is Energy?</p>	<p>Curriculum</p> <p>Continued development of school gardens and Connections Program</p> <p>Maintain a Worm Farm system</p> <p>Conduct a bird census of school and surrounds</p> <p>Further develop propagation and planting activities</p> <p>Consolidate ‘ Biodiversity’ themes in core curriculum areas including coastal, wetlands, forest (temperate & rain) deserts and urban as well as Australian. Animals</p> <p>Student led biodiversity audit in schoolyard</p> <p>Curriculum Audit to be undertaken and Sustainability extensions to be made to all existing plans and topics.</p> <p><i>Other ideas</i></p>

<p>Curriculum Audit to be undertaken and Sustainability extensions to be made to all existing plans and topics.</p> <p><i>Other ideas</i> <i>Science of waste</i> <i>*methane gases from landfill</i> <i>*CO2 produced</i> <i>*Landfill – the process</i> <i>*Recycling processes</i> <i>*Reusable art (eg Art of Sustainability Festival, Geelong), Cradle to cradle design(technology)</i> <i>*Footprint of understanding – the life cycle of objects from natural resource to waste - see “Story of stuff” DVD</i></p>	<p><i>Other ideas</i> <i>Explore Central Highlands Water online resources</i></p> <p><i>Visit local sites, eg CHW treatment plant in Ballarat, local reservoir</i></p> <p><i>Science of water</i> <i>understanding the water cycle – evaporation, precipitation, condensation</i> <i>solids, liquids and gases</i> <i>recycling of water</i> <i>ground water</i></p>	<p><i>Purchase energy kits for each classroom, lux meters</i></p> <p><i>Energy incursions - Professor Gizmo, CERES, Bruce Schmidt (DEECD)</i></p> <p><i>Energy excursions - Science Works and CERES, local wind farms</i> <i>Science of Energy</i> <i>car use and its effect on air quality (EPA), Weather, Types of energy</i></p>	<p><i>Science of Biodiversity</i></p> <ul style="list-style-type: none"> - <i>Soil science – PH levels etc</i> - <i>Investigate plant parts and species, plant biology</i> - <i>Investigate Propagation techniques</i> - <i>life cycles and ecosystems</i> - <i>transpiration, salinity, erosion</i> - <i>investigate EVC and Bioregions – DSE</i>
<p>WASTE Year 2007/08 Target 50% Reduction</p>	<p>WATER Year 2007-09 Target at least 10% Reduction</p>	<p>ENERGY Ongoing Target – at least 10% Reduction</p>	<p>BIODIVERSITY Ongoing Target 20% Increase per year – including Local/community projects</p>
<p>Whole School Community</p> <p>Full support of the school board</p> <p>Maintain mulching schedule</p> <p>Engage services of Nutrition Australia. Go For Your Life kit.</p> <p>Place student work and waste tips in the school newsletter</p> <p>Increase school profile – eg DEECD Grampians Office and local media (Gathering by the Lake)</p>	<p>Whole School Community</p> <p>Full support of the school board</p> <p>Engage the expertise of - Local water provider (Central Highlands Water, Hepburn Council & NCCMA WaterWatch.)</p> <p>Promote activities with local ‘Friends of’ group /community gardens</p> <p>Increase school profile – eg DEECD Grampians Office and local media</p> <p>Place student work and water tips in the school newsletter/ School display board</p> <p>Parent fundraising and product/service process</p>	<p>Whole School Community</p> <p>Full support of the school board</p> <p>Place student work (SAT) and energy tips in the school newsletter and Advocate and Courier</p> <p>Increase school profile – eg DEECD Grampians Office and local media</p> <p>School joins formal partnership with any regional greenhouse alliance initiatives. - eg Central Victorian Greenhouse Alliance, BEN</p>	<p>Whole School Community</p> <p>Full support of the school board</p> <p>Maintain parent input to veggie garden and Connections program</p> <p>Maintain tree planting schedule with local projects – whole school</p> <p>Participation in Clean Up Australia Day</p> <p>Participation in cluster and restoration projects eg Landcare</p> <p>Maintain on going support of local biodiversity projects</p> <p>Participate in seed saving and propagation workshops</p> <p>Develop and maintain mulching program to school gardens</p>

			<p>Place student work, project photos and biodiversity tips in the school newsletter</p> <p>Increase school profile – eg DEECD Grampians Office and local media</p> <p>An increase the numbers of parents involved in the school’s co-curricular program and working bees</p>
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