

SCHOOL: St Joseph's School, Coleraine

VISION:

At St Joseph's we inspire our students and our community to care for God's world by conserving natural resources, through positive daily actions. We aim to provide practical environmental education in all aspects of school life and stimulate environmental consciousness for a sustainable future.

WASTE	Water	Energy	Biodiversity
<p>Year 2016/17</p> <p>Aspirational Target: 5% Reduction</p> <p>Aim to keep waste to landfill per student to below: Primary: 0.3 m³/ year</p>	<p>Year 2016/17</p> <p>Aspirational Target: 5% Reduction</p> <p>Aim to keep use of mains water per student to below: Primary: 4 KL/ year</p>	<p>Year 2016/17</p> <p>Aspirational Target: 5% Reduction (Long term target 20%)</p> <p>Aim to keep energy use and CO² emissions per student to below: Primary: 250 KWh/ year 400 kg CO₂</p>	<p>ongoing</p> <p>Current Habitat score- 80% Aspirational Target: 20% Improvement – including local/ community projects and 60% reduction in weeds and Soil Management plan</p>

BIODIVERSITY	TIMELINE / PRIORITY	OPERATIONS	CURRICULUM	COMMUNITY
Ongoing Beginning Working Towards (Aspirational)	Current initiative / opportunities to develop #	School website and newsletter	Term 1 LGB start blog for Website and article and photos on newsletter. Tips and hints What we're planting and , harvesting	Information to community, tips and hints, What we're planting and harvesting Feedback to School Council
	Current initiative / opportunities to develop #	Schools Tree Day Plant more trees in garden beds	Life is Better with Trees unit to link with Tree Day	Invite community to Tree Day Look at planting in the Community Planting with Kinder?
	Current initiative / opportunities to develop #	Gardening and Cooking sessions	<ul style="list-style-type: none"> · All Students participate in the program with links to literacy (reading / writing recipes, menus. · Gardening and cooking sessions on alternate weeks. · Link to Countries Inquiry in Term 3 	Community volunteers involved in the maintenance of gardens. Invite volunteers to assist in running cooking sessions with students. Put note in Newsletter. Ask any one we know
	Current initiative / opportunities to develop #	Chooks – All food scraps to go to chooks Plantings in chookyard	<ul style="list-style-type: none"> · LGB students determine process to ensure no food goes to Landfill bins. · Use eggs in Cooking · Link to Science units – Lifecycle · Maths – package and sell eggs to community Coloured lids labels Purchase another bin	Community volunteers assist in the maintenance and care of chooks. Weekdays and holidays.
	Term 1 and 2 2016 #	Mulch all garden beds with bark chips		Working Bee – Term 2
	Semester 2 2016#	Create learning space outside staffroom Include: indigenous food garden, sensory garden, shade, seating for learning activities	Linked to inquiry / science units Indigenous Inquiry Term 3	Liaise with Jenny Kane re Grant P&F and Garden Designer (?) Contact Condah group Darren Bell

		Water harvesting Josh to draw up plan		
	Term 2 2016 #	Soil Management and Testing Low score on Habitat Assessment	Biodiversity (Soil Management) link with Inquiry (Mad Scientists) and Science (Earth and space-Beneath Our Feet Senior) Soil Testing in Veggie garden Salinity test (Earth and space science) Water focus Junior)	Info re testing soil and solutions sent home. On newsletter and on website
	Term 1 and 2 2016 #	Make Nesting Boxes and Insect Hotels for Schoolyard	LGA focus on minibeasts.Link with Term 1 Inquiry Learning to Learn LGB Maths	<ul style="list-style-type: none"> ● Have contacted Local Men's shed group involved in building the Nesting Boxes and Insect Hotel, ● Opportunities to have community workshops too in Term 2 and 3 2016 ● CDDA involved
	Term 2, 3 and 4 2016 #	Market stall to sell veggies and eggs Basket to Aged Care	Links to Maths – costs, change, proceeds	Community shares Pop up shop in Antique shop Use Social Media and Skoolbag app
	Current initiative / opportunities to develop #	Community Orchard (see Action Plan) Needs more care and maintenance Mulching Pruning Harvesting Preserving	Lessons on pruning, seasons, bees, lifecycle Cooking - Preserving	<ul style="list-style-type: none"> · Get community more involved · Workshop on Pruning for Community. Grants available (See Action Plan) · Workshop · Information on Newsletter and website about what can be picked. · Info on global gardens map (cc) <p>Discuss how we can Contact SG shire re maintenance (cc)</p>
	Term 3 2016	September 2016 – Plan and run Enviroweek activities		

	December 2016	60% of Resource Smart Biodiversity Module completed	Students involved in module activities and a range of learning initiatives across P-6 levels.	Assembly, newsletter and website items. Involvement with local community groups and school families.
	Current initiative / opportunities to develop #	Kids Teaching Kids September 2016 Topics- · Chooks Veggie Bingo Game	Presenting information, Learning Styles Links literacy – writing, speaking and listening	<ul style="list-style-type: none"> · Local schools · Present at Assembly
	2018	Beehives for pollination and honey production?? Native bee hives	Links to Science. Lifecycle Pollination plants fruit development etc	Community involvement in benefits of pollination Link to bee keepers
	2016 onwards#	Plant more food plants Cereals - wheat corn barley Buckwheat good companion plant (in paddock?)	Links to Maths – Seasons Science Lifecycles Seed to Seed concept New age knowledge	New garden

ENERGY	TIMELINE / PRIORITY	OPERATIONS	CURRICULUM	COMMUNITY
<p>Ongoing Beginning Working Towards (Aspirational)</p>	Semester 1 2017	LGB and Group Team Leaders to monitor energy usage data. Provide feedback to school council.	<p>Links to science / Maths/Literacy-Writing</p> <p>Students present and interpret graphs generated from Resource Smart Schools website.</p>	<p>Feedback to school council</p> <p>Inform parents and the community of initiatives taking place at school</p>
	Semester 1 2017	LGB and Group Team Leaders to promote energy saving practices at school and home.	<p>Links to science / literacy – Persuasive writing</p> <p>Students create information products and persuasive texts (posters, ads) promoting energy saving practices.</p>	<p>Newsletter & Website (Blog) to give energy saving tips.</p> <p>Inform parents and the community of initiatives taking place at school</p>
	2017	Purchase Green Power? Talk to Fiona	Links to Maths – Look at costs and offsets	Student created information products included in newsletter / website.
	Semester 2 2017	Solar power installed Hot water service?	Features and benefits of Solar Power	<p>Grants</p> <p>Information for parents</p> <p>Group Purchase?</p>
	Semester 2 2017	Timers on lights and air-conditioners More switches to turn off sections of lights. Low energy bulbs?		
	Current initiative / opportunities to develop	Use heating and cooling less Freezing Friday (once a week) 3 jumper day (info via messenger) Pull down blinds at start of day. Fans? Pioneers Day ??	<p>Enviroweek activities</p> <p>LGB and Group Team Leaders to monitor energy usage data</p> <p>Students present and interpret graphs generated from Resource Smart Schools website.</p> <p>Link to House points</p>	<p>Parents and community informed via newsletter / website.</p> <p>Community joins in Enviroweek activities</p>

	Current initiative / opportunities to develop	Computers on power saving	Maths - Determine how much power is saved IT - other energy saving tips	Newsletter & Website (Blog) to give energy saving tips.
	Current initiative / opportunities to develop	Signs on lights and air conditioners	Links to science unit	Newsletter & Website (Blog) to give energy saving tips.
	Current initiative / opportunities to develop	LGB and Group Team Leaders to develop strategies to turn off lights when not in classrooms		

	Sat, March 26, 2016 #	Earth Hour	Links to 3-6 Maths - multiplicative effect of everyone turning off their lights - local / global Links to 3-6 Literacy - Reading, viewing, writing Art - what I saw without lights	Encourage families to participate through newsletter and website.
	Semester 2 2018	Complete Resource Smart energy module		Newsletter & Website to give energy saving tips. Inform parents and the community of initiatives taking place at school

WASTE	TIMELINE / PRIORITY	OPERATIONS	CURRICULUM	COMMUNITY
Ongoing Beginning Working Towards (Aspirational)	Current initiative / opportunities to develop	3 Bin Classroom system · Label all bins	Links literacy - writing Art - pictographs	

Term 1 2016	<p>3 Bin Classroom system</p> <ul style="list-style-type: none"> · Inform new Foundation students · Run presentations at assembly to promote awareness of correct use of general waste / recycling bins 	Links literacy – writing, speaking and listening	Parents, are present at assemblies Newsletter & Website (Blog) to give Reduce recycle refuse tips
Current initiative / opportunities to develop Term 1 2016	LGB teams monitor correct use of waste / recycling bins and provide feedback to students.	Links to 5/6 literacy – writing, speaking and listening Links to 4-6 maths – data collection.	Newsletter & Website (Blog) to give Reduce recycle refuse tips
Term 3 2016	Measurement and costing of weekly waste	Links to Maths – Measurement, Data Develop Strategies to change	Newsletter & Website (Blog) to give Reduce recycle refuse tips
Term 3 2016	<p>Promote ‘nude food’</p> <ul style="list-style-type: none"> · through student competition awarded at assembly. · Lunchbox check, · Nude Food November <p>Build up to one day a week Link to House competition</p>	Links to 5/6 literacy – writing, speaking and listening Health/PE links House points	Newsletter & Website (Blog) to give Reduce recycle refuse tips
Current initiative / opportunities to develop	Compost garden program	Links to Science, Gardening program	Inform parents and the community of initiatives taking place at school via Newsletter & Website (Blog)
Current initiative / opportunities to develop	<p>Worms</p> <p>Separate small bin for worm food Job on roster to cut up food and feed worms</p>	Landcare Worm unit and Big book	Newsletter & Website (Blog) to provide tips on setting up a worm farm Show Kinder students how to care for worms in Worm Farm
Current initiative / opportunities to develop	Chooks – All food scraps to go to chooks	<ul style="list-style-type: none"> · LGB students determine process to ensure no food goes to Landfill bins. · Use eggs in Cooking · Link to Science units – Lifecycle 	Community volunteers assist in the maintenance and care of chooks. Weekdays and holidays. Package and sell eggs to community

	Term 4 2016	Research Green Purchasing. FF	Links to 3-6 Inquiry learning	
	Term 1 2017	Green Purchasing Policy drafted	Research benefits Links to Literacy – Persuasive texts	
	Term 2 2016	Paper saving – implement photocopying best practice to reduce waste. Double sided printing Re-use paper for notepads	Literacy (persuasive texts)	
		All green and Fair Trade Purchasing		
		Wrapper free school	Unit on costs and energy of packaged goods	Nude food encouraged Wrappers are taken home
		No paper newsletters		Electronic communication to families Newsletter on website
	Aim to complete by May 2017	Resource Smart Waste Module	A range of learning initiatives across P-6 levels.	Assembly, newsletter and website items. Involvement with local community groups and school families.

WATER	TIMELINE / PRIORITY	OPERATIONS	CURRICULUM	COMMUNITY
Ongoing Beginning Working Towards (Aspirational)	Term 1 2016	Fix all leaking taps Replace taps as needed Hoselink hose installed	Links to P-6 Inquiry – knowledge of Australia’s scarce water resources. Links to Indigenous perspectives – sustainable management of water resources.	Present savings at Assembly, newsletter and website items.
	Term 1 2016	Bring drink bottles to school and fill up before school and breaks. Bottles from Wannon Water for LGA and LGB	LGB promote this and educate LGA	Note in newsletter for parents

	Term 1 2016	Install Rain Gauge	Water conservation and Sustainability K-6 Maths –Measurement	Present rainfall totals at Assembly, newsletter and website .
	Term 1 2017	School toilets flush on rainwater.		Grants?
	2016	Water Runoff solution research options Use to water oval etc		
	Aim to complete by May 2018	Resource Smart Water Module certification	A range of learning initiatives across P-6 levels.	Assembly, newsletter and website items. Involvement with local community groups and school families.
	Term 1, 2016	Small buckets under taps to water gardens to be monitored and managed by LGB students. Empty buckets at end of recess and lunchtime (amend roster)	Water conservation and Sustainability F-6 Maths –Measurement of water saved – tap and garden Discuss and monitor process	Water saving tips Present savings at Assembly, newsletter and website items.