



School Environment Management Plan 2019 - 2022

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Our Vision Statement:

To promote the educational value of sustainability by reducing our ecological footprint through curriculum programs.

To develop effective working partnerships between our school and community and to encourage clean and safe sustainable practices.

Authors: Core Sustainability Team Julie Pickering, Stacey Pemberton and Nick Gonzalez

This version: Ratified by Principal and School Council

To be reviewed: February 2020

School Environment Management Plan 2019 – 2022

Our Long Term Goals:

1. Maintain resource use below the benchmark recommended by Sustainability Victoria
2. Embed Sustainability into everything we do
3. Become an accredited 5 Star Sustainable School with the Resource Smart Schools Program
4. Develop and refine whole school recycling system
5. Be litter free and rubbish free

Resource Use	Target	Benchmark	Baseline Year 2014	2017	2018	2019	Reduction or Increase	Benchmark Achieved
WATER	Maintain 2KL/year	4KL per student per year	1.2KL/year	2.3KL/year	1.89KL/year		Reduction	Yes
WASTE	Maintain 0.18m3	0.3 m3 per student per year	0.45 m3 per student	0.32 m3 per student	0.37 m3 per student		Reduction	Yes
ENERGY	Maintain current 197 kWh or less	250 kWh per student per year 400kg CO2 per student year per year	222 kWh/year	193 kWh/year	223 kWh/year		Reduction	Yes
BIODIVERSITY	Improve 15%	Biodiversity value of school grounds	45	55	48		Increase	No

Our 2020 Goals:

1. Achieve our 2nd Star for Energy
2. Reduce waste another 10%
3. Hold a Nude Food Day
4. Rubbish Free Lunch Boxes
5. Make our whole school community more aware of our goals and achievements

Sustainability Planning Team:

Julie Pickering, Stacey Pemberton and Nick Gonzalez

Student Leadership Team:

Student Green Team is made of 6-8 Students recommended by peers & teachers.

School Community Roles and Responsibilities

SUSTAINABILITY TEAM		
Leadership	Principal	<ul style="list-style-type: none"> • Allocate time at staff meetings 1-2 times a term • Allocate times for team to be released to attend Progress Workshops • Assign Student Green Team Roles • Arrange Resource Smart PD for staff once a year
Administration	Julie Pickering	<ul style="list-style-type: none"> • Bills are copied and collated in a dedicated RSS folder and uploaded onto RSS online system • Regularly update ResourceSmart online system with updates and document school activities and achievements • Apply for Grants • Attend Progress Workshops
Foundation – 1	Stacey Pemberton	<ul style="list-style-type: none"> • Sustainability Leader • Work on revising/updating SEMP and school sustainability documentation • Ensure sustainability is on fortnightly Agenda • Once a term, allocate time for team to go and explore options when planning ahead • Upload and share photos and learning stories to Shared Intranet RSS Folder • Share RSS and sustainability resources with our team at planning
Grade 2	Stacey Pemberton	<ul style="list-style-type: none"> • Ensure sustainability is on fortnightly agenda • Encourage students to take responsibility for waste, recycling, energy use, temperature control and water use in the classroom • Engage students in biodiversity and using school garden • Upload and share photos and learning stories to Intranet RSS Folder
Grades 3 – 4	Nick Gonzalez	<ul style="list-style-type: none"> • Ensure sustainability is on fortnightly agenda • Encourage students to take responsibility for waste, recycling, energy use, temperature control and water use in the classroom • Engage students in biodiversity and using school garden • Upload and share photos and learning stories to Intranet RSS Folder

<p>Grades 5 – 6</p>	<p>Karen Kent</p>	<ul style="list-style-type: none"> • Ensure sustainability is on fortnightly agenda • Encourage students to take responsibility for waste, recycling, energy use, temperature control and water use in the classroom • Engage students in biodiversity and using school garden • Upload and share photos and learning stories to Intranet RSS Folder
<p>External Leadership</p>	<p>ResourceSmart Schools Facilitator (Sally)</p>	<ul style="list-style-type: none"> • ResourceSmart Schools Whole Staff Workshop 1 x per year • Training Session on entering data with Julie and Stacey • Lead Progress Workshop each term • Help with leading audits • Provision of advice and assistance when required
<p>Local Contacts</p>	<p>Regional Environment Groups</p>	<ul style="list-style-type: none"> • Wannan Water • Glenelg Hopkins Catchment Management Authority • Chris Wilson CMA • SWEP • ResourceSmart Schools Program • Sally Jensen • Heinz deChelard • Linda Grant • Barwon South West Regional Waste & Resource Recovery • Southern Grampians Shire Council • Cool Australia • Kids Teaching Kids • Landcare • HIRL • Planet Ark

Core	Existing	Plans/Goals	Actions
Main Goals	One Star Resource Smart School	Maintain baseline data, bills and policies	Work with Green Team to achieve prompt uploading of bills to RSS
Campus	One Star Resource Smart School	5 Stars by 2022	Complete 2 Stars by 2020 and one per year after that
Teaching & Learning	Professional Development Sessions for staff once a year	Have each classroom teacher engage students in daily roles and responsibilities in water, electricity, waste and biodiversity	More PD for staff
Community	<ul style="list-style-type: none"> • Attend Progress Workshops • Communicate through newsletter, website and assemblies 	Increase community participation and awareness of sustainability program	Green Team to assist in the organisation of events and present regularly at school assembly
Student Leadership	Green Team	Maintain positive structure and formalise roles	Green Team to assist in the organisation of events and present regularly at school assembly
Key Dates	One Star Core Module update	Complete 2 Stars by 2020 and one per year after that	To ensure that the school community are more aware of what we are undertaking throughout the year

Water	Existing	Plan/Goals	Actions
Campus	<ul style="list-style-type: none"> We have one rain water tank Upload water bills to Resource Smart online system Have SWEP on both water meters 	Aim to reduce water use around the school by 10%	School installing second water tank in 2020
Teaching & Learning	<ul style="list-style-type: none"> Water veggie garden, new seeds and plants PE – Human Body and Water Numeracy – Measurement using water Science – Water Use, Inquiry, Marine Life Animals PMP & Health – Hydration, Human Body Music – Water songs, ocean health Grade 2/3/4 – Maths & Measure, capacity using water Science – Water cycle and pollution Intergrated Studies – Ocean and marine life Art - Students take part in Wannon Water National Water Week Poster Competition 	<ul style="list-style-type: none"> Staff take part in PD and access Cool Australia curriculum lessons Engage with Wannon Water Education Advisor Regularly check SWEP online for water usage 	<ul style="list-style-type: none"> Upload information and photographs to RSS Wannon Water Engagement & Education advisor to speak with Junior Grades at start of each year
Community	<ul style="list-style-type: none"> Engagement and Education Advisor from Wannon Water visits to teach students about water issues Students have reuseable bottles of water on desk at anytime 	<ul style="list-style-type: none"> Families encouraged to supply students with reusable bottles 	To acknowledge these visits in the newsletter and on ResourceSmart
Student Leadership	<ul style="list-style-type: none"> Reporting any leaks or problems with bubble taps Beach excursions, rock pooling during school camps 	<ul style="list-style-type: none"> Plan rocking pooling on camps 	Dates of camps to Port Fairy and Kangarooie to be advised

Key Dates

- February visit to Junior classes by Wannon Water Engagement & Education Advisor

- Maintain reusable water bottles on desks throughout entire school year

Dates of camps to Port Fairy and Kangarooie to be advised

Waste	Existing	Plan/Goals	Actions
Campus	<ul style="list-style-type: none"> Waste Audit completed in 2016. We found a massive issue with hand towels loading our bins. We need to establish a comprehensive recycling system for the whole school and reduce our waste to landfill. Installed hand dryers to eliminate the use of hand towels 	<ul style="list-style-type: none"> Establish a recycling system around the school. Plan on introducing a program to send home all packaging from student's school lunches (following national park guidelines which ask visitors to take rubbish home with them) 	<ul style="list-style-type: none"> Bins are numbered so students understand to fill up first bin before using second bin etc. Recycling bins in each classroom
Teaching & Learning	<ul style="list-style-type: none"> Students undertook Waste audits and worked in classes to come up with solutions. This led to Kids Teaching Kids conference presentation Art & Music – Projects using recycled materials Grades 2/3/4 – Text – Affects of pollution on animal life Intergrated Studies – Recycling Unit ICT – make poster to discourage pollution Grades 4/5/6 – Science/Humanities – Waste materials, reading/writing students news articles, Maths – audit of bins/quantities 	<ul style="list-style-type: none"> Undertake an audit of rubbish bins Use recycled materials for projects in classrooms 	<ul style="list-style-type: none"> Green Team and senior classes to be involved in audit of bins Display projects in library
Community	<p>Kylie McIntyre – Southern Grampians Shire Sustainability Officer Working with Green Team to complete a Waste Audit on 11 garbage bins</p>	<ul style="list-style-type: none"> Reduce use of one sided paper usage Green Policies used by school and Parents' Club when holding events 	<ul style="list-style-type: none"> Green Policies taken into account when purchasing school items Ice confection plastic tubes are taken by parents' Club for recycling at Coles
Student Leadership	<p>Student leaders lead waste reduction and whole school changes</p>	<ul style="list-style-type: none"> Green Team to encourage students to think about how they dispose of waste 	<ul style="list-style-type: none"> Green Team to present at school assembly on a regular basis

Key Dates

- 2020 – Term 2 Waste Audit with ResourceSmart Facilitator, Linda Grant Barwon South West Waste & Resource Recovery Group and SGSC Sustainability Officer
- Clean Up Australia Day
- Nude Food Day

- 2020 – Introduce a trial program to take home rubbish following the national parks guidelines
- Undertake an audit of rubbish bins

- 2020 – Introduce a trial program to take home rubbish following the national parks guidelines
- Undertake an audit of rubbish bins
- Participate in Clean Up Australia Day on Friday 28 February 2020
- 2019 - Installed hand dryers to eliminate the use of hand towels

Energy

Campus

Existing

- LPG Gas only – 8 data loggers
- Switch off regime – lights, air conditioners, gas heaters
- Use ceiling fans
- Retrofitted LED globes
- Establishment of Student Green Team
- Energy Audit undertaken
- Enhanced effect of passive solar heating through new building and regimes.
- Upload energy bills onto RSS Online
- Classroom temperatures set to recommended settings
- Labels and sign on regimes around the school
- New building energy efficient from 2015
- Photocopiers automatically shut to sleep mode when not in use
- Air conditioners and gas heaters serviced twice a year to ensure energy efficiency

Plan/Goals

- Resolve summer heat issues
- Add more blinds to school windows
- Purchase a solar system for the school
- Apply for grants
- Purchase all energy efficient appliances when needed

Actions

Increase signage around school and update information in classrooms

Teaching & Learning

- Foundation – Noticing weather and seasons
- Physical sciences and weather unit
- Art Grades 2/3/4 - wind drive mobiles
- Science – light, forces, wind farms, solar power, earth resources
- Integrated Studies –Electricity, weather responses, light and rainbows

Continued curriculum integration and learning over school year

Staff to look at RSS on planning days for incorporation of same into programs

	<ul style="list-style-type: none"> • Grades 4/5/6 – Science Humanities – energy & electricity, solar, energy, • Science/ICT – Weather systems, weather app, lasers, artificial weather, energy project – light experiments 		
Community	<ul style="list-style-type: none"> • Signage around school to turn off lights, heating and cooling 	Have Green Team attend class to discuss routines for switching off lights, heating and cooling when classrooms not in use	Remind staff at meetings of the importance of switching off energy using appliances
Student Leadership	<ul style="list-style-type: none"> • Our work on energy established our student Green Team • F/1/2 – Turn off lights, shut the door, use ceiling fans, thermometers in classroom • 3/4 - turn off lights, monitor weather, use ceiling fans, thermometers in classroom • 5/6 – automatic lights off, use fans, no air conditioning, thermometers in classrooms, reduce paper waste 		
Key Dates			

BIODIVERSITY	Existing	Plan/Goals	Actions
CAMPUS	<ul style="list-style-type: none"> • Audit every year since 2015 • Tree Day sponsored by Toyota 	<ul style="list-style-type: none"> • Funding for shaded areas • Annual Biodiversity Audit led by students • Tree Planting 	<ul style="list-style-type: none"> • Green Team undertake audit at start of year • Register for Schools Tree Day
TEACHING & LEARNING	<ul style="list-style-type: none"> • Veggie Garden Time • Fresh Fruit every day • Life Cycle songs and learning • Commit to Kids Teaching Kids Conference 	<ul style="list-style-type: none"> • Weed and maintain garden • Work on Grampians Project learning about flora and fauna 	<ul style="list-style-type: none"> • Roses Gap Camp every second year
COMMUNITY	<ul style="list-style-type: none"> • Chris Wilson – Glenelg Hopkins CMA • Heinz deChelard – Community Support • Wildlife Visitors – ecology centre, bandicoots, Kangarooie Camp, Dunkeld Pastoral 	<ul style="list-style-type: none"> • Work with conservation volunteers • Invite CMA to school to discuss habitat and indigenous plantings 	<ul style="list-style-type: none"> • Attend Kids Teaching Kids
STUDENT LEADERSHIP	All students responsible for litter free, sow seeds and plant veggies	Organise planting teams for Schools Tree Day	<ul style="list-style-type: none"> • Green Team to assist with organisation of events
KEY DATES	Planet Ark & Toyota sponsored Schools Tree Day 31 st July 2020	Increase number of plants for habitat	Take part in Schools Tree Day at end July each year

Maintenance

Our school main building is made up of 1950's portables joined together. This has posed remarkable energy problems as there is limited or no insulation and they were not built with energy efficiency in mind. We have searched for solutions to maintain warmth within staff and class rooms, mainly by trying to find ways to control heating and cooling loss.

- twice a year local plumbers maintain and check and service gas and split systems
- we have enhancement of passive solar aspect through insulation, blinds on windows
- blocking external ventilation across whole main building.

Because of our regional status and geographical location we have realised that there are many different ideas and practices occurring for students and families because students at our school live in three different shires all with different rules and recycling practices and provisions.: Moyne Shire, Glenelg Shire and Southern Grampians Shire.

Plans that have worked so far and commitments to keep us going:

- Attend local Progress Workshops once a term
- Meet once a week
- Continue to nourish Student Green Team with responsibilities with weekly get togethers.
- Meet with facilitator Sally Jensen on phone or in person every two weeks