

# Education for Sustainability (EfS) Guidelines

provides a framework for schools on their  
sustainability journey

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child,  
every  
opportunity



# Australia, Victoria, Melbourne



Every child, every opportunity



# Umbrella of ResourceSmart Schools



<http://www.resourcesmart.vic.gov.au>



Department of Education and  
Early Childhood Development



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# Sustainability in State of Victoria

**Department of Premier and Cabinet**  
(Climate Change Branch)

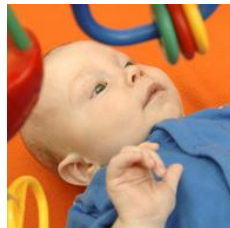
**Whole of Government policy**



**Environmental Education policy and curriculum**



**Regulator of environment protection**



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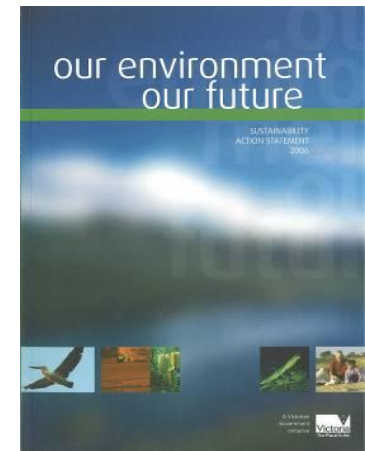
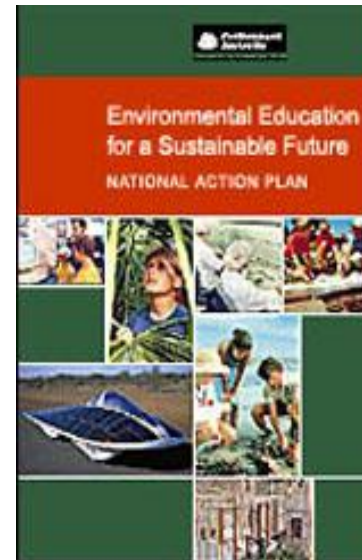


# Victoria's Policy Context



Australian  
**Sustainable Schools Initiative**  
A Partnership of the Australian Government, the States & Territories  
The Australian Sustainable Schools Initiative, Victoria **AuSSI, Vic** **Victoria** Department of Education

- *The United Nations Decade of Education for Sustainable Development (UNDESD) 2005-2014*
- *Living Sustainably-The Australian Government's National Action Plan for Education for Sustainability* Department of Environment Water, Heritage and the Arts (2008)
- *Our Environment Our Future – Environmental Sustainability Action Statement*, Victorian Government (2006)
- *Looking Ahead- DEECD's Environmental Sustainability Strategy (2009)*



**Education for Sustainable Development**



United Nations Decade (2005-2014)

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[Home](#) [Households](#) [Community](#) [Business & Industry](#) [Government](#) [Education](#)



## Introducing Climate Communities

Welcome to Climate Communities – your one-stop shop for everything you need to know to take practical action on climate change. Here you'll find information, advice, handy hints and details of Victorian Government support programs, including financial assistance. Use the categories below to guide your search, and start making a difference today.

[More about this website](#)

1 2 3 4



### Households

Hints, tips, opportunities and offers on improvements you can make in and around your home.



### Community

Discover the power of the group in tackling climate change – find inspiration, information and funding opportunities.



### Business and Industry

Find out how large and small business can make a difference and discover sustainable opportunities and innovations.



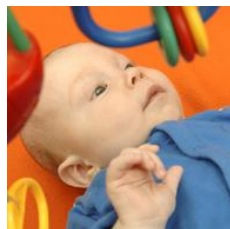
### Government

Leading by example: information to guide state and local government sustainability.



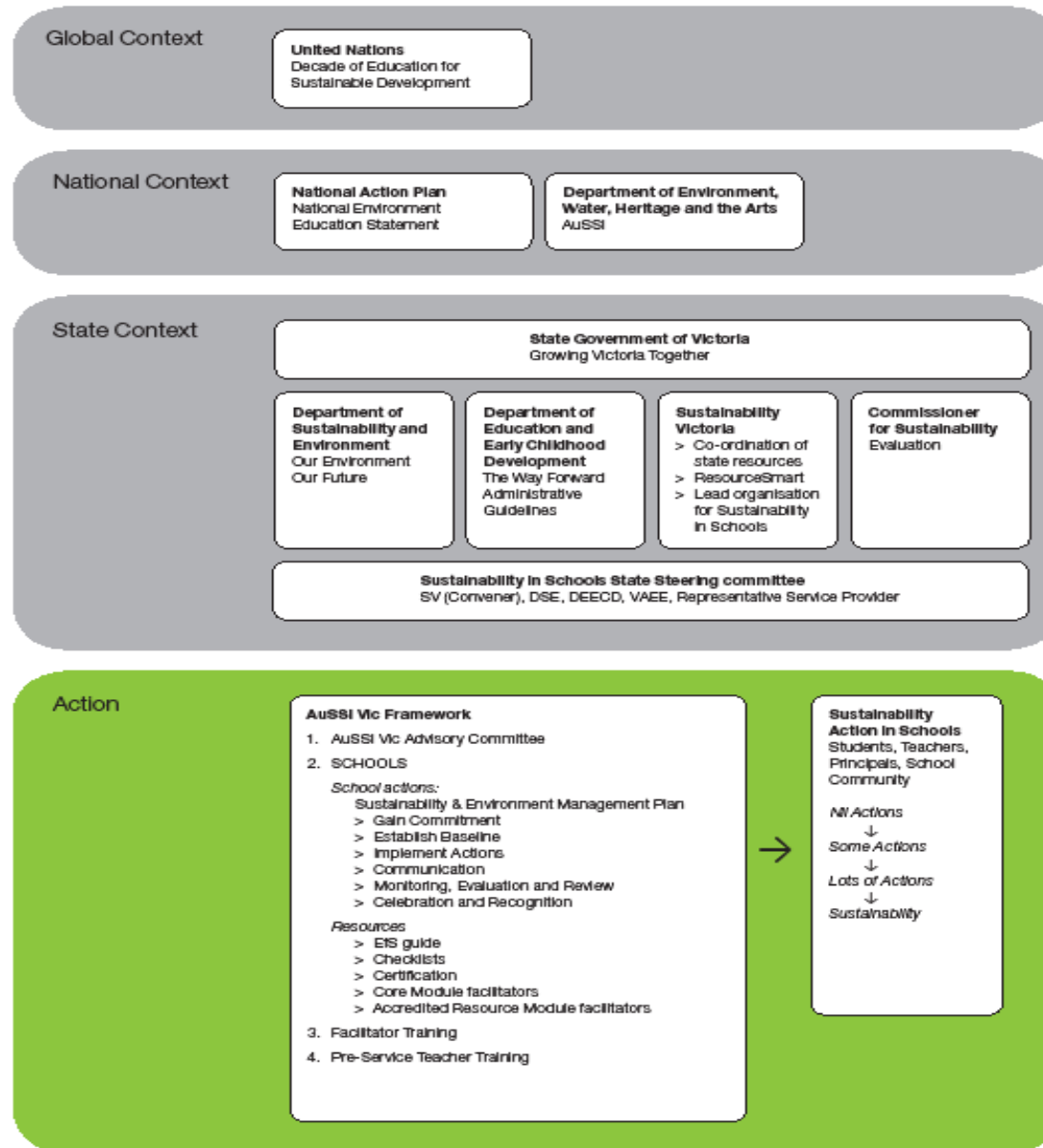
### Education

Addressing climate change: for teachers, students, parents and administrators across all levels of learning.



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### 1.3 Sustainability in Schools & EfS structure



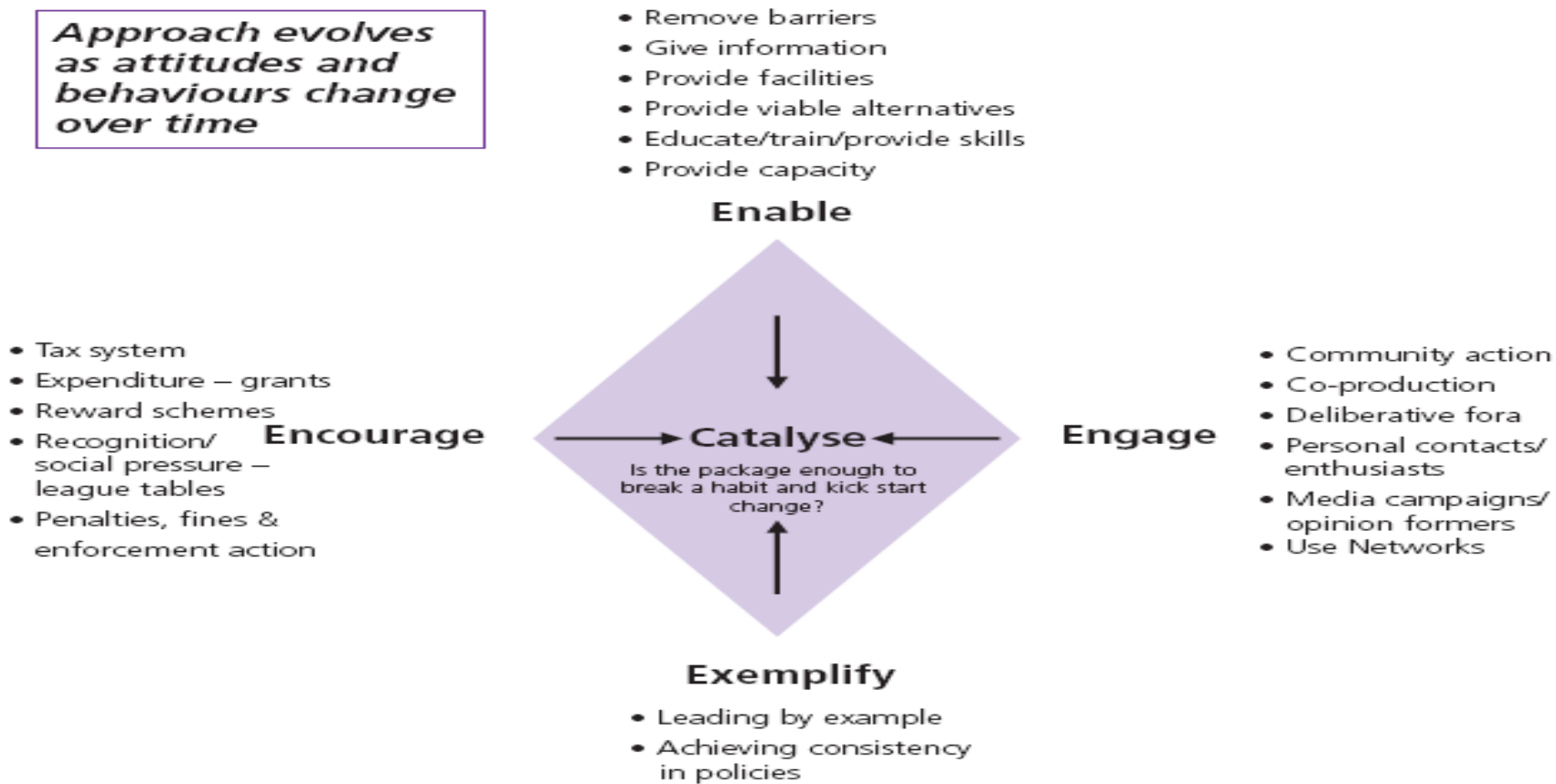
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# DEFRA Behaviour Change Framework-DEFRA (2005) Securing the Future – Delivering the UK Sustainable Development Strategy

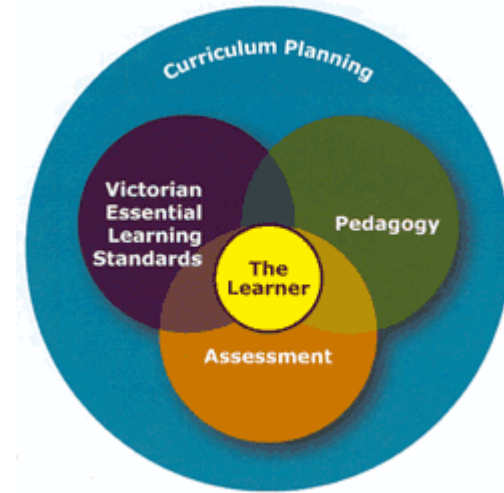
*Approach evolves as attitudes and behaviours change over time*



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# AuSSI, Vic Vision

- **C**o-operation (DSE, DEECD, SV, DPDC)
- **O**utcomes focus – DEECD, DSE & SV strategies linked
- **O**ne Voice - SV, lead implementation agency
- **E**mpowerment - School & Community Links
- **E**ngagement – whole school planning & student driven programs



# Principles of Education for Sustainability

Principles of Learning and Teaching (PoL&T)

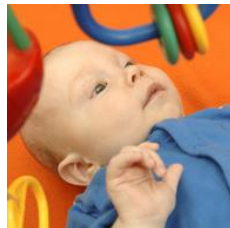
<http://www.education.vic.gov.au/studentlearning/teachingprinciples/>





# What is the ResourceSmart AuSSI, Vic Framework?

- **ResourceSmart AuSSI Vic is a holistic approach to sustainability for primary and secondary schools;**
  - involving a whole school approach
  - providing students with real-life learning experiences
  - leading to improved management of the school's facilities and resource use (including energy, waste, water, products and materials, biodiversity, landscape design).



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# RESOURCESMART

## Australian Sustainable Schools Initiative, Victoria (AuSSI, Vic)

### Resource Development



# Progression of ResourceSmart AuSSI, Vic

- 2002-04 Sustainable Schools Pilot
- 2005-06 State-wide rollout & Evaluations
- 2007 Resources development
- 2008 Resources trials and support programs
- 2009/10 Professional development/SV Certification
- 2010 Resources online





# ResourceSmart AuSSI, Vic Resources

- VAEE/SV Community Facilitator Training
- DEECD EfS guide and Schools Checklist
- SV certification
- School Environmental Tracking System (SETS)



# DEECD support for ResourceSmart AuSSI, Vic Schools

Education for Sustainability  
(EfS) Guide  
& AuSSI, Vic Checklists

ResourceSmart  
AuSSI, Vic Core Module Delivery Teacher  
Professional Learning

ResourceSmart  
AuSSI, Vic - Biodiversity

ResourceSmart  
Schools Awards

Greening Australia's  
Toolbox for  
Environmental  
Change



ResourceSmart  
AuSSI, Vic - Energy

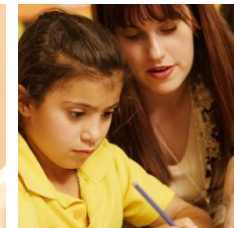
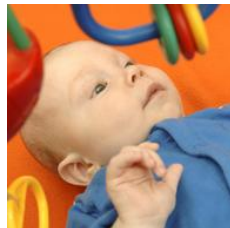
Administrative Guidelines  
for EfS





# Education for Sustainability

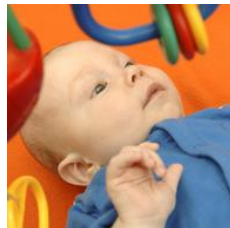
## (EfS) Guide



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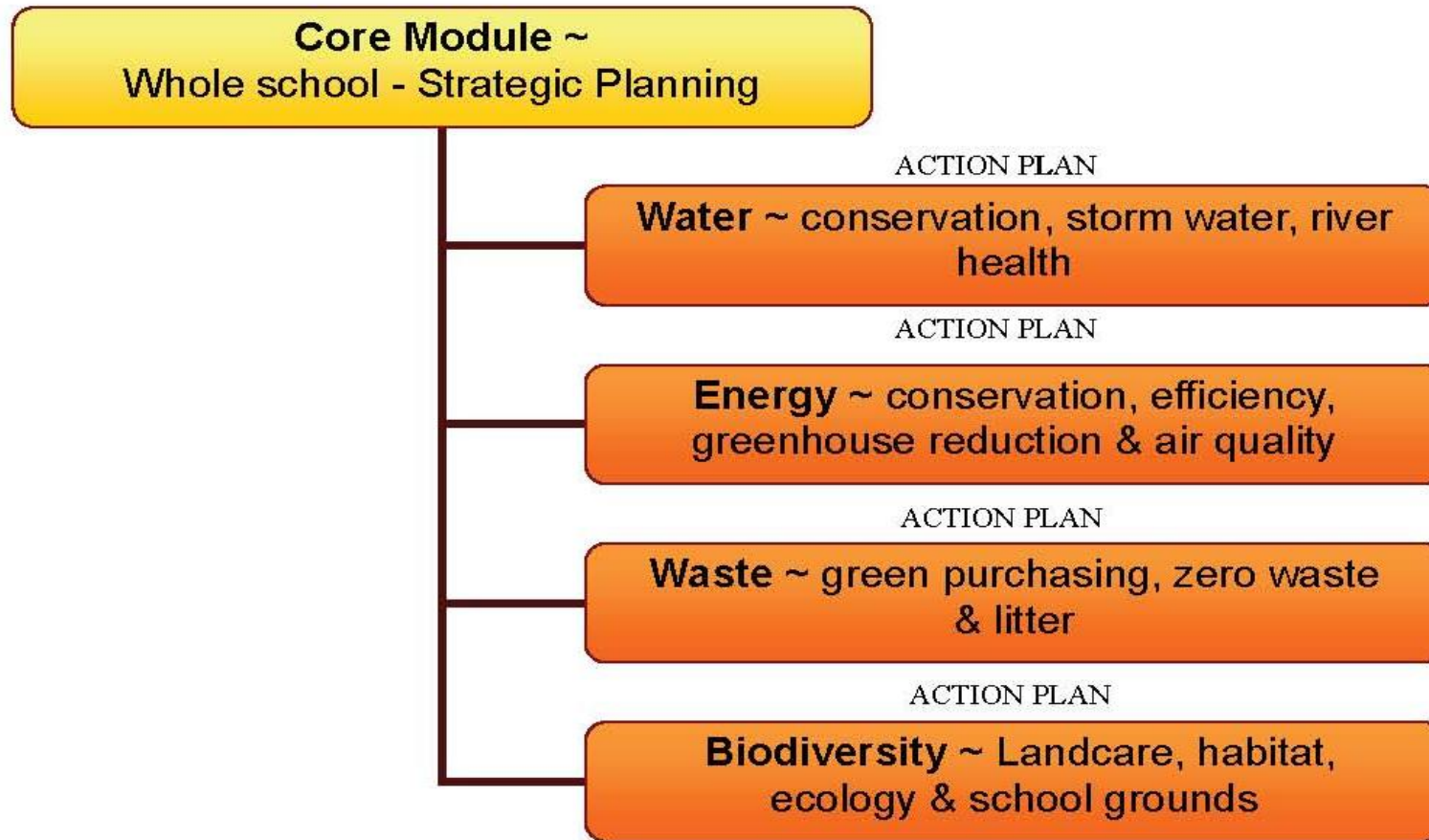
# ResourceSmart AuSSI, Vic Structure - Modules



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# ResourceSmart

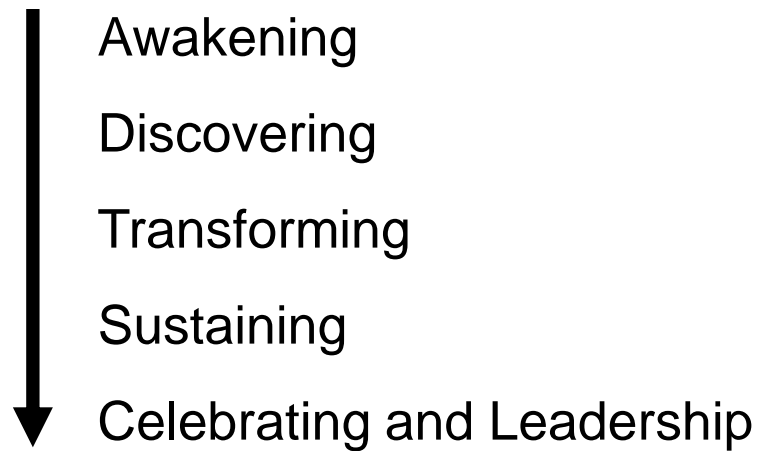
## Australian Sustainable Schools Initiative, Victoria (AuSSI, Vic)



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# AuSSI, Vic is:

## 1. A staged Framework for strategy and action:



## 2. Based on whole school inquiry learning

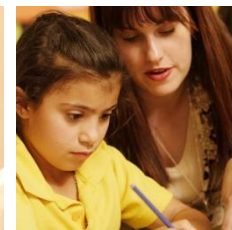
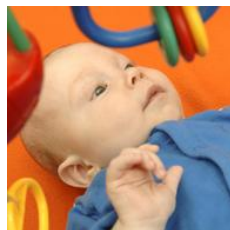


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# AuSSI, Vic Process development

Sustainable Schools Pilot 12 Steps	AuSSI, Vic Rollout 4 stages	AuSSI, Vic Framework 2 Step Structure
Whole School Commitment	Awakening	<b>Core Module includes:</b> Collect baseline data Develop a vision Recognise current efforts Develop a strategic plan and policy Set goals and targets
Committee		
Intro to sustainability		
Policy		
Goals and Targets		
Baseline Data		
Assessment and Audit	Discovering	<b>Resource Modules include:</b> Action and Curriculum plans in: Water Waste Energy Biodiversity
Community Partnerships		
Develop your Action Plans	Transforming	
Develop Curriculum Plans		
Implement Action Plans		
Monitoring and Evaluation	Sustaining & Celebrating	School Checklist



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# EfS Activities



Melbourne Girls College Students presenting their Ecological Footprint play at the 2006 Bendigo River Health Conference



Building management

Operational activities

Learning and Teaching

School/community links



The chook shed tanks connected to the frog bog at Birmingham PS



Students at Maiden Gully PS involved in river health activities



The recycling yard at Mildura West PS



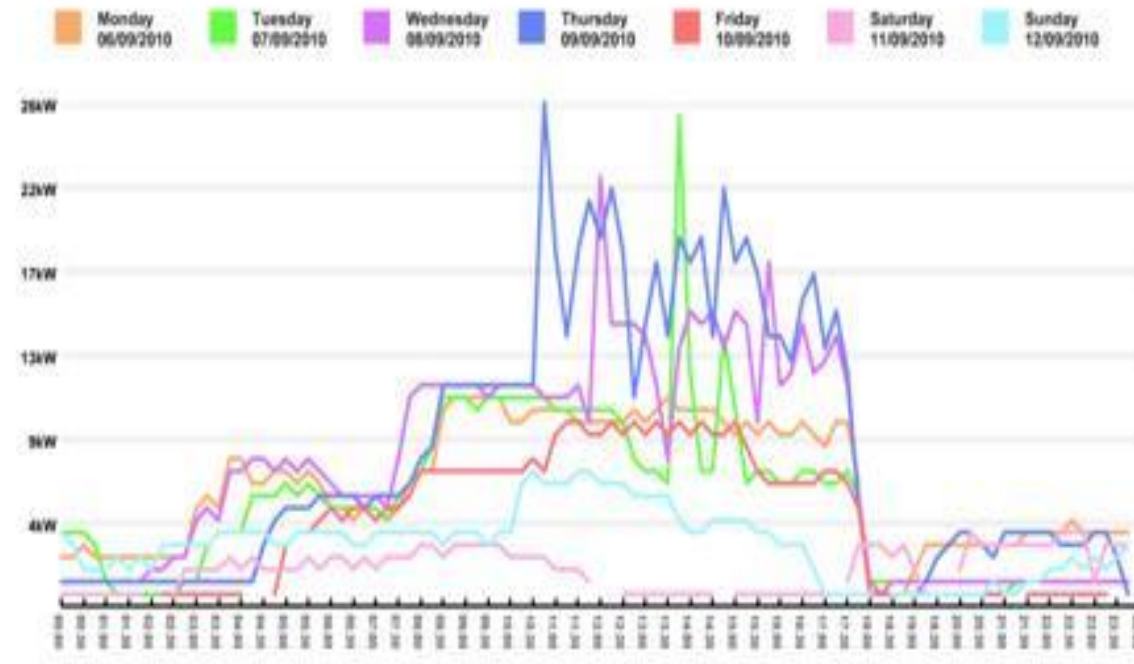
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# Core Module issues

- School Environmental Tracking System (SETS)

(<http://www.schoolenergysavings.com.au/sets.php>)



- AuSSI, Vic Checklists
- Reporting against targets and performance measures

Towards best practice activities	Comments/Examples
<b>Preparation:</b>	
Whole School Sustainability Snapshot <ul style="list-style-type: none"> <li>School contact details</li> <li>Baseline data gathered (see Resource Module Checklists /School Environment Tracking System (SETS))</li> <li>Curriculum, infrastructure and daily operations overview</li> <li>Recognition of prior achievements &amp; opportunities for improvement</li> <li>School investigates their Ecological Footprint (e.g. EPA Victoria's Schools Ecological Footprint Calculator)</li> </ul>	
School registered for SETS or equivalent	
<b>Development:</b>	
School Council sign-off on sustainability program and school Education for Sustainability (EFS) vision/goal statement	
Sustainability included in at least one of the following: <ul style="list-style-type: none"> <li>School Plan</li> <li>Whole School Policy statement</li> <li>Whole school Scope and Sequence Chart (or similar) curriculum plan</li> <li>SEMP (Strategic Environment Management Plan) completed – goals and targets</li> </ul>	
Establish a sustainability action plan (e.g. use Resource Module Checklists to identify which actions your school will do next, or list what/when/where/how your school will address sustainability)	
Whole school involvement (program introduced to whole school community, students, parents, staff and community supporters)	
Form planning team (should include staff, students and the wider community)	
Establish awareness of sustainability issues through Professional Development for staff as appropriate	



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# Core Checklist components

Preparation

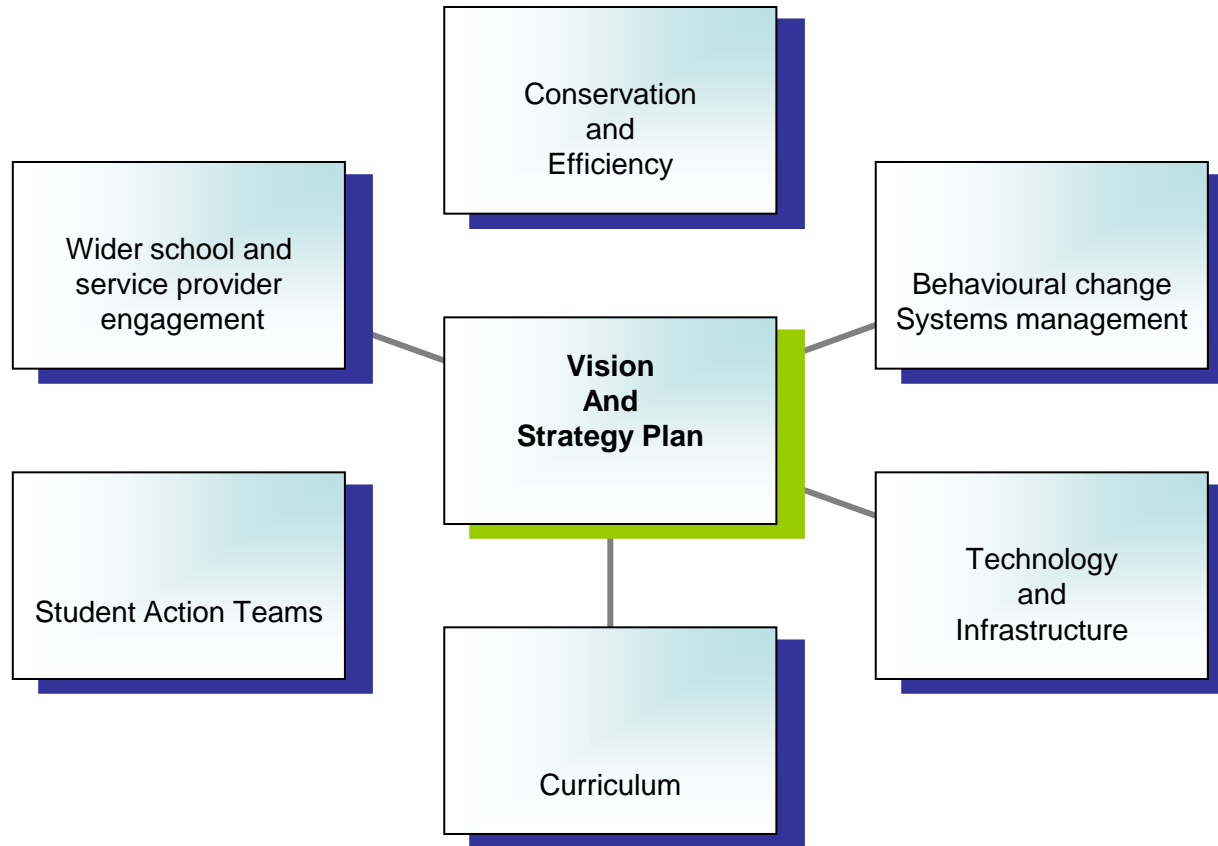
Development

Communications

Accountability

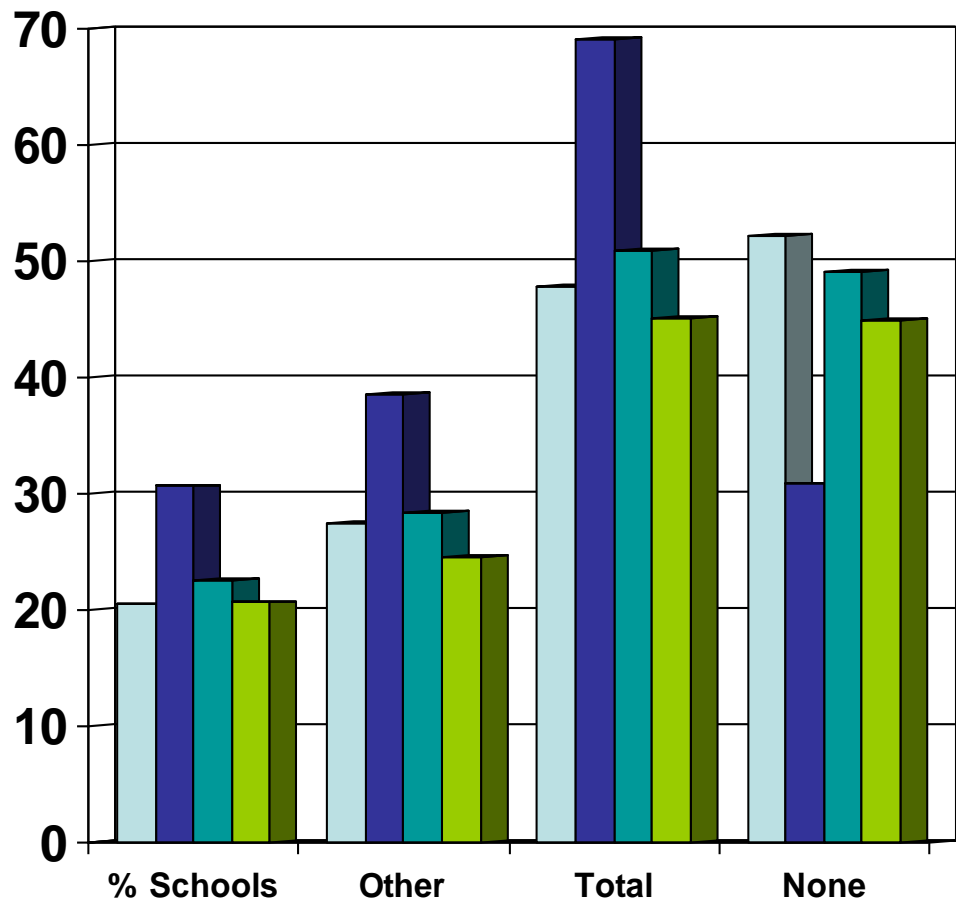


# Impact of Resource Modules Checklists



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# Resource Module Issues



Water, Learn it! Live It!

ResourceSmart Waste

Tool for Replication of Energy Efficiency at Schools (TREES) & Solar in Schools Program

LandLearn

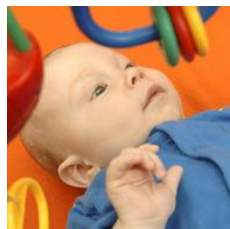
- Water

- Waste

- Energy

- Biodiversity

- Source: Victorian School Census 2008



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# Resource Module Components

## WATER

- *A: Workplace/ Daily Operations*
- *B: Learning and Teaching*
- *C: Whole School Community Engagement*



# Resource Module Components

## Waste & Litter

### Five main components:

- Reduction of resource use
  - Reuse of materials
  - Recycling
  - Green purchasing and Materials
  - Litter control
- 
- *A: Workplace/ Daily Operations*
  - *B: Learning and Teaching*
  - *C: Whole School Community Engagement*



# Resource Module Components

## Energy, Air Quality & Greenhouse Reduction

Three main components:

- Conservation of energy
  - Air quality
  - Greenhouse reduction
- 
- *A: Workplace/ Daily Operations*
  - *B: Learning and Teaching*
  - *C: Whole School Community Engagement*





# Resource Module Components

## Biodiversity & land care

### Four main components:

- Conservation of land and ecology as a precious natural resource
  - Land and bush care
  - Ecology and habitat
  - School ground development
- 
- *A: Workplace/ Daily Operations*
  - *B: Learning and Teaching*
  - *C: Whole School Community Engagement*



# Recognition and Reward



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# 5Star Sustainability Certification

Home/Quick Bill Entry Bill Entry Reports ResourceSmart 5Star Setup/Maintenance Help About News and Alerts

Annual Data **5Star Sustainability Certification** Core Energy Waste Water Biodiversity

## ResourceSmart Certification Tools

Enable a ResourceSmart Certification Tools / Modules



Core



Energy



Waste



Water



Biodiversity

## 5Star Sustainability Certification

Displays your current status within the 5Star Sustainability Certification



## 5Star Sustainability Certification - About



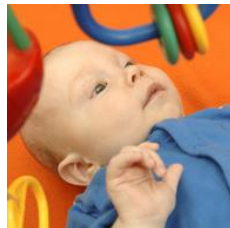
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## 5 star descriptors

Star rating	Description
1 Star	Well set up and on the way
2 Star	Demonstrating ResourceSmart outcomes
3 Star	Performing well within the sector
4 Star	At your best in-house
5 Star	Showing others the way through leadership

[http://www.resourcesmart.vic.gov.au/for\\_educators\\_2442.html](http://www.resourcesmart.vic.gov.au/for_educators_2442.html)



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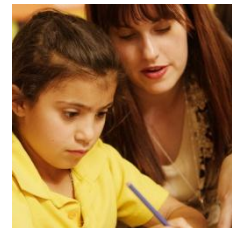
# 27% of Victorian Schools are engaged in the ResourceSmart AuSSI, Vic framework



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# Biodiversity in behaviour, attitude and personality

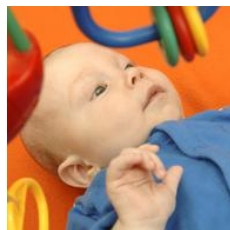


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## Where is your school on it's sustainability journey?



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# Implementation rationale and support

- Why, How, What
- Rubrics and self-assessment
- Whole school approach
- Reporting, monitoring and evaluating
- Indigenous perspectives
- Awards programs
- Leading schools
- Early Childhood
- Appendices



<http://www.youtube.com/watch?v=05ip-N0H1lg&NR=1>



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