APPENDIX 2

Indicators for Environmental Education Content in Publications

Source: Environment Australia, http://www.environment.gov.au/education/publications/ee-review-schools/indicators.html

Environmental education indicators

The Curriculum Corporation for Environment Australia in 2003 developed a set of indicators to map references to Environmental Education in curriculum documents. A total of 147 indicators were identified through this process. For the mapping exercise, the indicators are grouped under five categories and ten sub-categories, illustrated below.

Category	Sub-category	Elements and factors that can be used as the basis for indicators
Information about the environment	**Ecosystems**	Local
		Regional
		National
		Global
		Natural systems
	Ecological principles	Adaptations
		Biodiversity
		Carrying capacity
		Cycles of matter
		Ecological balance
		Energy flow
		Fauna
		Photosynthesis/Flora
		Food webs, interactions, biotic/abiotic, communities
		Habitats
		Interdependence
		Population changes
		Survival (factors)
		Species diversity
		Sustainable environment/life
		Change over time
	Energy and resources	Renewable resources
		Finite resources
		Production and consumption
		Resource use

		Sustainable development
		Use/Efficiency of energy
		Nuclear energy
		Energy conservation
Studies of humans and the environment	**Humans and environment**	Agricultural sustainability, food security
		Built environment, building for survival, energy efficient housing, costs
		Health and health care, urban health hazards
		Indigenous lifestyle sustainability, farming
		Lifestyles, how people function within an environment, quality of life
		Mass transit technology
		New technologies and efficiencies
		Population (growth, distribution, dynamics)
		Poverty
		Recreation, tourism, eco-tourism
		Sustainable human settlements, development
		Urban sprawl, urbanisation
		General human activities
	Political and economic issues	Citizenship
		Eco-efficiency
		Ecological footprint
		Ecospace
		Environmental assessment
		Environmental law
		Government environmental policies
		Interconnectedness (political, economic, environmental, social)
		Intergenerational equity
		Land-use planning
		Life-cycle analysis
		Lobby groups
		Management
		Media
		Natural resource accounting
		Precautionary principle
		Sustainable consumption
		Cost benefit analysis
	Pollution	Air pollution, air quality

		Hazardous wastes, toxic chemicals
		Noise pollution
		Radioactive wastes, radiation
		Solid wastes
		Storm water, sewage
		Vehicle emissions
		Water pollution, water quality
	Issues	Acid rain
		Conservation
		Deforestation, land clearing, habitat destruction
		Desertification
		Endangered species
		Greenhouse, climate change
		Introduced species
		Land degradation
		National parks/ remnant vegetation
		Environmental disasters i.e. nuclear accidents
		Ozone
		Re-vegetation
		Salinity
		Sustainable biotechnology, bio-engineering
		Water depletion - rivers, ground water
		Wilderness
		Recycling
Skills, problem solving and competencies		Experimental design
		Observing
		Measuring
		Questioning
		Mapping
		Interpreting
		Investigating
		Collecting, analysing and organising information
		Communicating ideas and information
		Planning and organising activities
		Working with others and in teams
		Decision making
		Brainstorming
		Creative thinking

		Designing
		Future tools/forecasting
		Solving problems
		Environmental leadership
		Environmental auditing
		Evaluating/assessing
		Critical thinking
		Comparing evidence of change/short- and long-term impacts
		Writing
		Listening
		Reading
Attitudes, values and view points		Aesthetics
		Appreciation of the benefits of community
		Appreciation of the dependence of human life on finite resources
		Appreciation of the importance of individual action
		Appreciation of the interdependence of all living forms
		Care for the environment/stewardship
		Ethics
		Appreciation of the interrelationships between science, technology, society and environment
		Personal acceptance of a sustainable lifestyle
		Respect for other culture perspectives
		Respect for other living things
		Social justice/equality/respect for human rights
		Spirituality
		Value clarification
		Changing perceptions towards environments
Action		Energy conservation at school/home
		Environmental citizenship
		Government initiatives
		Litter reduction at school/local area
		Local community projects
		Purchasing policies at school/home/canteen
		School environment improvements/projects
		Waste minimisation at school/home
		Water conservation at school/home
		Reducing harmful chemicals home/school

		Turning knowledge into action