

KEY RESOURCES FOR WASTE AND LITTER EDUCATION

This list of educational resources is taken from
Armstrong P, *Learning to Be Waste Wise: A Curriculum Resource*, EcoRecycle Victoria 1998, pp 69–85.

10 Million Bottles Get a Second Chance

Author: Auseon Australia Limited

Publisher: Auseon Australia Limited (1993)

Publication/Cost: Video, free

Available From: Auseon Australia Limited

Aimed Level: General

Summary: (6 minutes) Describes the complete process of vinyl recycling from the home to the end product.

ISBN: None

Waste, waste minimisation, landfill, plastics, vinyl, cryogrind, recycling

Alphaville: an Eco Adventure

Author: Vox Bandicoot

Publisher: Connect/DEET/City of Moreland/EcoRecycle Victoria (1996)

Publication/Cost: CD ROM with Teachers' Guide, ?

Available From: Connect Employment and Training Services, Ph (03) 9416 3788.

Aimed Level: Upper primary and lower postprimary students and teachers

Summary: CD Rom plus 24 page teachers guide. Interactive computer game designed to be both entertaining and educational. Can be used as a springboard for introducing comprehensive waste and litter education for primary and lower secondary students; contains a substantial teachers guide; designed for upper primary school. Requires good computer game skills to use.

ISBN: None

Waste, waste minimisation, litter, composting, reduce, reuse, recycle

The Australian Compost and Worm Book

Author: Rutherford, P. and Lamonda M.L.

Publisher: Apollo Books (1996)

Publication/Cost: Book, \$15.95

Available From: Tower Books and Gould League

Aimed Level: General

Summary: (80 pages) Comprehensive, yet simply written guide to home composting and worm farming. Chapters include: what's in composting for you, practice and theory of composting, how to make compost - the recipe, different compost systems, wonderful worms, question time. Easy to read and informative book.

ISBN: 0 947068 23 6

Composting, worm farming, ADAM - aliveness, diversity, air, moisture

Backyard to Bay: The Tagged Litter Report

Author: McKay P. and Marshall M.

Publisher: Melbourne Parks and Waterways (1993)

Publication/Cost: Book, \$?

Available From: Melbourne Water

Aimed Level: Postprimary teachers and students

Summary: (36 pages) Presents the results of the 1991 Tagged Litter Study of Melbourne's drainage system. Includes tables of results, graphs and maps, plus full colour poster. Excellent resource for senior SOSE, Science and VCE Geography and Environmental Studies.

ISBN: None

Catchment, litter, water quality, pollution, land use

Biodegraders' Bazaar", Issues: Waste Management, 33, October, 1995, 31-42.

Author: Centre for Education and Research in Environmental Strategies

Publisher: The Australian Council for Educational Research Ltd. (1995)

Publication/Cost: Magazine, \$10.95

Available From: ACER Customer Service

Aimed Level: Postprimary student and teachers

Summary: (11 pages) Concise account of worm composting, composting, mulching and living sustainably on the earth. Excellent summary of composting.

ISBN: 0819-8101

Composting, organic waste, wormeries, mulching, composting toilets

Blueprints for Greening Schools: Principles, Policies and Practices for Environmental Education in Australian Secondary Schools

Authors: Rutherford, P. and Le Tourneau, R.

Publisher: Environmental Media Resources (1995)

Publication/Cost: Video, \$29.95

Available From: Environmental Media Resources

Aimed Level: General

Summary: Three programs on this video: Introduction to composting (12 minutes), Introduction to worm farming (5 minutes) 3. Advanced composting (13 minutes). Some useful timelapse camera segments on plant growth and decomposition. First program is really only suitable for primary school children. The second program is amusing and informative. The third program discusses answers to commonly asked questions about composting. Some concerns about footage showing a child handling lime.

ISBN: None

Composting, worm farming, ADAM - aliveness, diversity, air, moisture

Compost Activities for Schools

Authors: McLean R., Armstrong, P. and Winters, R.J.

Publisher: (1997)

Publication/Cost: Book, \$12.95

Available From: Gould League of Victoria Inc.

Aimed Level: Primary teachers of students Years 4-6

Summary: (32 pages) Uses composting theme to study the world of minibeasts. Includes teaching ideas, background information, and blackline masters. Forms part of the Gould League's Compost and Minibeast Teachers Kit. A valuable resource.

ISBN: 1 87 5687 36X

Worm farming vermicompost, compost worms, capsule, life cycles, adaptations, food chains, food webs, classification

Compost Creatures

Authors: Winters, R.J. and Grant, J.

Publisher: (1997)

Publication/Cost: Poster, \$6.50

Available From: Gould League of Victoria Inc.

Aimed Level: General

Summary: Attractive poster featuring the creatures commonly found in a compost bin. Provides detailed identification and classification notes on the reverse side. Forms part of the Gould League's Compost and Minibeast Teachers Kit. An excellent poster.

ISBN: None

Compost, habitat, food chains, classification, invertebrates

Composting: A Down to Earth Approach

Author: Environment Protection Authority

Publisher: Environment Protection Authority (1993)

Publication/Cost: Video, \$20.00

Available From: Environment Protection Authority

Aimed Level: General

Summary: (10 minutes) Entertaining and informative video that looks at how to compost, what to/what not to add to compost, types of compost containers and how to use compost. Excellent video; good balance of information and humour.

ISBN: None

Composting

Composting Made Easy: A Guide for Schools: Composting, Mulching and Wormeries

Author: Laffin, J. and Armstrong, P.

Publisher: Gould League of Victoria, Inc. (1996)

Publication/Cost: Booklet, \$4.95

Available From: Gould League of Victoria

Aimed Level: Primary and postprimary teachers
Summary: (16 pages) A clear, colourful guide for schools to deal with their organic waste. Looks at the basics of composting, composting and the curriculum, setting up an ideal composting system in a school, wormeries and mulching. Forms part of the Gould League's Compost and Minibeast Teachers Kit. Excellent, practical guide for schools.
ISBN: 1 875687 29 X
Composting, mulching wormeries, organic waste, organic waste audit

Composting: Making Soil Improver from Rubbish. Discovery Soil Series, No 3.

Author: Handreck, K.A.
Publisher: CSIRO Division of Soils (1986)
Publication/Cost: Booklet, \$10.00
Available From: CSIRO
Aimed Level: General
Summary: (19 pages) Compact booklet that deals with the key elements of composting: how to compost, what happens during composting, benefits of composting and using compost. Excellent background information for those who wish to know the science behind composting and how compost can benefit soils. Photographs now dated.
ISBN: 0 643 02168 X
Rubbish, composting, organic waste, aerobic, anaerobic

Drains to the Bay: A Water Pollution Kit

Author: Vox Bandicoot Pty. Ltd.
Publisher: Melbourne Water (1992)
Publication/Cost: Kit, \$19.95
Available From: Gould League of Victoria
Aimed Level: Middle and upper primary teachers
Summary: The Kit, comprising a 50 page booklet and 10 minute video, provides an integrated approach to studying water pollution and the consequences of our actions. The video uses a mixture of animation and real footage to give an interesting and yet humorous explanation of how litter reaches the bay. Children enjoy it. The book is excellent; well presented with some very good activities and clear information for teachers
ISBN: 0 7306 2754 3
Water pollution, catchment, litter, waste water

The Environmentally Designed Hamburger That Tastes Great and Waste Is My Problem Too (The Footprints Project)

Author: Elz, J.
Publisher: G & M Consultancy
Publication/Cost: Book, free
Available From: EcoRecycle Victoria
Aimed Level: Primary and postprimary teachers of students in Years 6-10
Summary: (18 pages) Two units of work for Curriculum and Standards Framework Health and Physical Education and Technology. The first unit focuses on students designing and making a hamburger and its packaging that is healthy, popular and produces a minimum amount of waste. The second unit focuses on whether planning meals and buying only what you need helps to reduce waste. Students have to plan a menu for family for one week, and then prepare a meal for four people. Excellent resource.
ISBN: None
Waste minimisation, composting, packaging, nutrition

Earthworm Identifier

Authors: Baker, G. and Barrett, V.
Publisher: CSIRO Australia (1994)
Publication/Cost: Booklet, \$9.00
Available From: CSIRO Publishing
Aimed Level: General, worm farmers
Summary: (24 pages) Deals with earthworm behaviour and distribution, benefits to agriculture, structure and identification. Excellent publication to identify earthworms.
ISBN: 0 643 05690 4
Earthworm, structure, identification

Earthworms for Gardeners and Fishermen. Discovery Soil Series, No 5.

Authors: Handreck, K.A. and Lee, K.E.
Publisher: CSIRO Division of Soils (1986)
Publication/Cost: Booklet, \$9.00
Available From: CSIRO Publishing
Aimed Level: General
Summary: (31 pages) Looks at many aspects of earthworms: species in Australia, benefits of earthworms to soils, vermiculture, the biology of earthworms, and a simple to use identification key. Excellent publication. Informative, authoritative and easy to read. However, advice on home vermiculture is dated, e.g. no reference to commercially available wormeries.
ISBN: 0 643 04237 7
Soils, earthworms, soil structure

Earthworms in Australia

Author: Murphy, D.J.
Publisher: Hyland House Publishing Pty Ltd (1993)
Publication/Cost: Book, \$14.95
Available From: Gould League of Victoria
Aimed Level: General
Summary: (112 pages) Comprehensive guide for householders and worm farmers to the biology of earthworms and the techniques of worm farming. First class book that provides clear guidelines about worm farming. Easy to read and supported by research. Written by a man with many years of experience as a worm farmer.
ISBN: 1 875657 09 6
Earthworms, vermiculture

Famous Four Canny Plan

Author: Comalco Aluminium Ltd
Publisher: Comalco Aluminium Ltd
Publication/Cost: Video, free
Available From: Comalco Aluminium Ltd.
Aimed Level: General
Summary: (15 minutes) Appealing video, that uses adults dressed as school children to act out a story of how aluminium can recycling can help schools raise money. Story-line format limits the use of this video to school children. Excellent short section on the actual process of aluminium can reprocessing.
ISBN: None
Recycling, aluminium

Garbage, Gums and Greenhouse

Author: O'Brien, T.
Publisher: Gould League of Vic. Inc. (1992)
Publication/Cost: Audio tape, \$12.95
Available From: Gould League of Victoria
Aimed Level: Primary - junior postprimary students
Summary: One side of the tape has nine songs with catchy titles, such as, 'We're Sinking in Garbage' and 'We Have the Power'. The second side has separate musical accompaniments for each song. Bright, lively songs, written with conviction. Music is modern and varied.
ISBN: n/a
Waste, reduce, reuse, recycle, compost, greenhouse, pollution

Glass Recycling in Australia

Author: Editricks Video Productions
Publisher: ACI Glass Packaging (1997)
Publication/Cost: Video, free
Available From: ACI Glass Packaging
Aimed Level: Schools (upper primary, post primary), recycling contractors and local governments
Summary: (18 minutes) Video describes how glass is collected, sorted and treated prior to recycling into new glass bottles and jars. Explains why contamination of glass is a problem in the glass making process and how it can be reduced. Describes clearly which glass items

can and cannot be accepted for recycling. Very clear, informative video with some excellent footage; it would be very useful to teachers.

ISBN: None

Recycling, glass, glass beneficiation

Green Bells

Author: Australian Surfriders Association

Publisher: Australian Surfriders Association/EcoRecycle Victoria

Publication/Cost: Video, free

Available From: Australian Surfriders Association, Ph (03) 5261 2907.

Aimed Level: Primary and postprimary teachers and students

Summary: Features the efforts of surfers to protect the environment using Bells Beach as an example and highlighting the waste minimisation measures taken by champion junior surfer Jade Ogilvy in her own lifestyle and behaviour; uses a role model approach for young people.

ISBN: None

Waste minimisation, litter

H₂O Solutions to Pollution - A Teaching and Learning Unit on Stormwater Issues Science Years 9-12

Author: Environment Protection Authority NSW

Publisher: Environment Protection Authority NSW (1996)

Publication/Cost: Booklet, \$5.00 plus \$5.00 postage

Available From: Environment Protection Authority NSW

Aimed Level: Postprimary teachers Years 9-12

Summary: (32 pages) Prepared as a unit for the New South Wales Science Key Learning Area. The unit is expected to take approximately 8x40 minute periods. Could be adapted for Victorian schools.

ISBN: 0 7310 3788

Pollution, waste, catchment, sustainability, stormwater, waterway

H₂O Solutions to Pollution: A Teaching and Learning Unit on Stormwater Issues English Years 7-10

Author: Pells, M.

Publisher: Environment Protection Authority NSW (1996)

Publication/Cost: Environment Protection Authority NSW (1996)

Available From: Environment Protection Authority NSW

Aimed Level: Postprimary Teachers Years 9-12

Summary: (35 pages) Prepared as a unit for the New South Wales Science Key Learning Area. The unit is expected to take approximately 12x40 minute periods. Could be adapted for Victorian schools.

ISBN: 0 7310 3788

Pollution, waste, catchment, sustainability, stormwater, waterway

H₂O Solutions to Pollution: A Teaching and Learning Unit on Stormwater Issues Science & Technology Upper Primary

Author: Sharpe, H. and Cairns, M.

Publisher: Environment Protection Authority NSW (1996)

Publication/Cost: Booklet, \$5.00 plus \$5.00 postage

Available From: Environment Protection Authority NSW

Aimed Level: Primary teachers Years 5-6

Summary: : (14 pages) Prepared as a unit for the New South Wales Science and Technology Key Learning Areas. The unit leads to the preparation of a group report. Could be adapted for Victorian schools

ISBN: 0 7310 3788

Pollution, waste, catchment, stormwater, waterway

Helping our Environment: A Guide for School Communities

Author: Keep Australia Beautiful National Association Inc.

Publisher: Keep Australia Beautiful National Association Inc. (1996)

Publication/Cost: Booklet, free

Available From: Keep South Australia Beautiful

Aimed Level: Primary schools

Summary: (23 pages) This guide is a collection of the achievements of the State Award Winners in KAB's Helping Our Environment Competition. Useful collection of best practices across the country. Similar to the Gould League's book 'We Can do That'.
ISBN: 0 85876 006 1
Environment, recycling

An Introduction to the School's Litter Challenge

Author: Keep Australia Beautiful National Association Inc.
Publisher: Keep Australia Beautiful National Association Inc. (1993)
Publication/Cost: Booklet, free
Available From: Keep South Australia Beautiful
Aimed Level: Primary and postprimary teachers
Summary: (6 pages) The booklet gives clear guidelines for schools to set up a school anti-litter policy and action plan. Excellent guide for teachers to combat litter in schools.
ISBN: None
Litter, environment, composting, recycling reduce, waste

It's In the Can

Author: BHP Steel
Publisher: BHP Steel (1995)
Publication/Cost: Video, free
Available From: BHP Steel
Aimed Level: General
Summary: : (8 minutes) Looks at why steel can recycling is important, which cans can be recycled, how to prepare cans for recycling and the process of recycling the cans into new steel products. Comprehensive video that is limited in its usefulness to schools, because of the use of "talking heads". Voice overs would have been more effective.
ISBN: None
Waste, metals, steel, recycling, blast furnace, smelting

Kids for Landcare: Wormwatch

Author: Colliver, A.
Publisher: Education Department of South Australia (1992)
Publication/Cost: Book, \$10.00
Available From: Gould League of Victoria
Aimed Level: Primary and post primary teachers
Summary: (88 pages) South Australian package that provides detailed information about earthworms and strategies for their study in order to understand the soil environment. Includes activity units and blackline masters. Very comprehensive set of activities.
ISBN: 0 7308 2031 9
Landcare, environment, earthworms, soil, soil structure ecosystems, resources, growth, heritage, environmental ethics, decision making, participation

Learning To Care for Our Environment: Victoria's Environmental Education Strategy

Authors: Malcolm, S., Murray, P. and Hughes, B. (Eds.)
Publisher: Victorian Environmental Education Council (1992)
Publication/Cost: Booklet, free
Available From: N/a
Aimed Level: Primary and postprimary teachers
Summary: (40 pages) A very important milestone document which succinctly sets out Victoria's environmental education strategy.
ISBN: 0 7306 3094 3
Environmental education, environmental action

Leaving a Lighter Footprint

Authors: Hiotis, H. and Geldard, R.
Publisher: Kemcor Australia P/L (1996)
Publication/Cost: Book, free
Available From: Kemcor Australia Pty. Ltd. Ph 9647 0500
Aimed Level: Postprimary students and teachers (Years 7-10)
Summary: (38 pages) Contains information and activities on a range of environmental topics, including living with less waste and litter. Clear presentation, useful information.
ISBN: None

Environment, greenhouse effect, pollution, waste, litter, biodiversity, landcare

Litter and Water Pollution

Author: Merri Creek Management Committee (MCMC)

Publisher: MCMC (1997)

Publication/Cost: Book, available as part of education program; will be available for sale towards the end of 1998.

Available From: MCMC

Aimed Level: Upper primary and lower postprimary students and teachers

Summary: A clear, CSF linked, easy to use litter reduction guide for schools that includes teaching ideas, student activities, blackline masters and litter and water pollution information transferable to any locality. One unit of a four unit environmental education kit.

ISBN: None

Waste, recycling, reduction

Litter Challenge Handbook

Author: Judd, G.

Publisher: Keep Australia Beautiful National Association. (1997)

Publication/Cost: Book, free

Available From: Keep South Australia Beautiful

Aimed Level: Primary and postprimary teachers

Summary: (40 pages) Clearly expressed and well presented guide to assist teachers to establish an anti-litter program in a school. Includes some well thought out activities to complement the program. Clear guide to teachers to curb litter in schools.

ISBN: 0 85876 008 8

Litter, recycle, composting, reduce, environment, actions

Living With Less Waste: Actions for Schools

Author: Environment Protection Authority

Publisher: Environment Protection Authority (1991)

Publication/Cost: Book, free

Available From: N/A

Aimed Level: Primary and postprimary teachers

Summary: (33 pages) An excellent booklet that provides guidelines for schools to develop strategies to minimise waste and to include waste minimisation in the school curriculum.

Well thought out guide for schools to minimise waste. Now dated.

ISBN: None

Waste minimisation, actions, recycling, reduce, reuse

"Minimising Waste: An Overview", Issues, 33, October, 1995, 3-8.

Author: Malcolm, S.

Publisher: The Australian Council for Educational Research Ltd. (1995)

Publication/Cost: Magazine, \$10.95

Available From: ACER Customer Services

Aimed Level: Postprimary students and teachers

Summary: (5 pages) Concise article that outlines what is meant by waste minimisation, what things people can do, what can be recycled, why minimise waste, participation rates, buying recycled products and the progress so far. Useful, current, accurate and succinct article.

ISBN: 0819-8101

Reduce, reuse, recycle, waste minimisation

Ministerial Policy: Environmental Education

Author: Ministry of Education, Vic.

Publisher: Department of Education (1998)

Publication/Cost: Booklet, free

Available From: Department of Education

Aimed Level: Primary and postprimary teachers

Summary: (24 pages) This extremely important document is currently under development through a review of the earlier policy established in 1990. It is due for release in mid 1998.

ISBN: 0 7306 1632 0

Environmental education, Department of Education, ecological sustainable development.

No Garbage

Author: Gilbert, A.
Publisher: Thomas, C. Lothian Pty Ltd. (1992)
Publication/Cost: Book, \$3.00
Available From: Collins Booksellers, Melbourne
Aimed Level: General
Summary: (64 pages) Easy to read, common-sense guide to composting. Topics include how to make good compost, soils, methods of composting, types of containers, volunteer and community gardens, no-dig gardens, home composting, control of pests and weeds, and problems with composting. Text accompanied by numerous photographs and diagrams.
Very good publication.
ISBN: 0 85091 485 X
Composting, soil structures, gardening, mulches, no-dig gardens, composting sewage

Ollie ReCycles

Author: Toushea Multimedia
Publisher: Visy Recycling/Beverage Industry Environment Council/Toushea
Publication/Cost: CD Rom
Available From: Distributed to all primary schools in Victoria. Available from Con Photopoulos, Victorian Primary Principals Association, Ph (03) 9326 8077.
Aimed Level: General, upper primary students
Summary: A state of the art interactive CD-Rom and associated web site for waste and litter education for upper primary students.
ISBN: None
Composting, recycling, worm farming, waste minimisation

Packaging What a Waste? A Kit for Post Primary Schools on Packaging and the Environment

Author: Keep South Australia Beautiful
Publisher: Keep South Australia Beautiful (1994)
Publication/Cost: Kit, \$20
Available From: Keep South Australia Beautiful
Aimed Level: Postprimary students (Years 7-10) and teachers
Summary: Set of 15 units of work based around the theme of packaging. Detailed teachers notes (39 pages) to accompany the units. Adapted from Victorian version for South Australian schools. Of limited value to Victoria.
ISBN: None
Packaging, energy, recycling, resources, litter, decomposition

Packaging. What a Waste? A Kit for Postprimary Schools on Packaging and the Environment.

Author: Environment Protection Authority
Publisher: Environment Protection Authority (1992)
Publication/Cost: Book, \$20
Available From: No longer available. Check your library.
Aimed Level: Postprimary students and teachers
Summary: Set of 15 looseleaf units of work based around the theme of packaging. Fifty page booklet contains detailed notes for teachers. Excellent set of activities, although some facts are now dated.
ISBN: None
Packaging, litter, energy, waste, recycling, resources, environment

Plastics Recycling: Primary Student Book

Author: Cole, J.
Publisher: Gould League of Victoria Inc. (1993)
Publication/Cost: Book, \$5.95
Available From: Gould League of Victoria
Aimed Level: Primary (Years 5-6) students
Summary: (16 pages) Fourteen practical activities about plastics and plastics recycling. Useful summary table: What's the use of plastics in Australia? Fits in well with CSF Key Learning areas of Science, Technology, SOSE. Activities could be used as photocopy masters. Attractively presented and illustrated.
ISBN: 1 875687 15 7
Waste, recycling, plastics, packaging, environment, litter

Plastics Recycling: Primary Teacher's Guide

Author: Cole, J.
Publisher: Gould League of Victoria Inc. (1993)
Publication/Cost: Book, \$4.95
Available From: Gould League of Victoria
Aimed Level: Primary (Years 5-6) teachers
Summary: (13 pages) Useful information about plastics and plastics recycling. Includes teacher's notes for activities in the student's guide and an equipment list. Excellent supporting guide to the Student's Book.
ISBN: 1 875687 16 5
Waste, plastics, recycling, packaging, litter, environment

Plastics Recycling: Senior Student's Guide

Author: Sanders, R. and Stokes, R.
Publisher: Gould League of Vic. Inc. (1995)
Publication/Cost: Book, \$8.95
Available From: Gould League of Victoria
Aimed Level: Senior postprimary students and teachers
Summary: (38 pages) Can be used independently or with the Gould League's Plastic Recycling Kit. Contains information, case studies and practical activities about plastics. Separate section of notes for teachers. Useful summary table - What's the use of plastics in Australia? Fits in well with VCE Chemistry and Science. Safety aspects of practical activities carefully considered. Many pages could be used as photocopy masters. Attractively presented and illustrated.
ISBN: 1 875687 22 X
Plastics, recycling, site visits, careers

Plastics Recycling: Teacher's Guide

Authors: Martin, P. and Armstrong, P.
Publisher: Gould League of Victoria Inc. (1993)
Publication/Cost: Book, \$4.95
Available From: Gould League of Victoria
Aimed Level: Junior postprimary teachers
Summary: (20 pages) Useful information about plastics and plastics recycling. Includes teacher's notes for activities in the student's guide and an equipment list. Excellent supporting guide to the Student's Book.
ISBN: 1 875687 12 2
Waste, plastics, recycling, packaging, environment, litter

Plastics Recycling Kit

Author: Gould League of Victoria Inc.
Publisher: Gould League of Victoria Inc (1993)
Publication/Cost: Kit, \$75.00
Available From: Gould League of Victoria
Aimed Level: All
Summary: Contains samples of test pieces of seven common plastics, samples of resin pellets, sets of samples that show the stages in the manufacture and recycling of two common plastics and a mixed plastic, a video, samples of products made from recycled plastic, information sheets and booklets, and separate student's and teacher's guides for Years 5-6, Years 7-10 and combined student/teacher's guide for VCE. Comprehensive, practical resource for student and teachers. Replacement test pieces and sets available.
ISBN: None
Plastics, recycling, waste minimisation, energy, greenhouse effect, resources, packaging

Plastics Recycling Student's Guide

Authors: Martin, P. and Armstrong, P.
Publisher: Gould League of Victoria Inc. (1993)
Publication/Cost: Book, \$5.95
Available From: Gould League of Victoria
Aimed Level: Junior postprimary students
Summary: (32 pages) Can be used independently or with the Gould League's Plastic Recycling Kit. Contains information and practical activities about plastics. Some worksheets could be used as photocopy masters. Useful summary table: What's the use of plastics in

Australia? Fits in well with CSF Key Learning areas of Science, Technology, SOSE. Safety aspects of practical activities carefully considered. Attractively presented and illustrated.

ISBN: 1 87 56 87 13 0

Waste, recycling, plastics, environment, packaging, litter

Port Phillip Bay Environmental Study: Primary Education Kit

Author: Seddon, G.

Publisher: Melbourne Water (1996)

Publication/Cost: Kit, \$44.95

Available From: Gould League of Victoria

Aimed Level: Primary teachers (Years Prep to 6)

Summary: Kit is made up of a 8 minute video Our Living Bay, an 80 page activities book and other resources including charts and leaflets. Clearly shows connections of activities to Curriculum and Standards Frameworks learning outcomes. Activities integrate Science, SOSE and Technology. Kit is valuable tool for the study of the environmental health and ecology of Port Phillip Bay, including the impact of litter. Encourages actions to care for the Bay.

ISBN: None

Water quality, litter, pollution, environment, catchment

Port Phillip Bay Environmental Study: Secondary Education Kit

Author: Van Gameron, M.

Publisher: Melbourne Water Corporation (1996)

Publication/Cost: Kit, \$45.00

Available From: Melbourne Water Corporation

Aimed Level: Postprimary teachers (Years 7-8)

Summary: Kit is made up of a 8 minute video Our Living Bay, an activities book and other resources including charts and leaflets. "Activities, field trips and other resources for a 10 week unit of work." Suitable for Curriculum and Standards Frameworks, Science, Level 5, Life and Living. Kit is valuable tool for the study of the environmental health and ecology of Port Phillip Bay, including the impact of litter.

ISBN: None

Water quality, pollution, litter, catchment, stormwater

Pratt Industries Visy Recycling Program

Author: Pratt Industries

Publisher: Pratt Industries (1991)

Publication/Cost: Video, free

Available From: Visy Recycling

Aimed Level: General

Summary: Clear account of the paper and cardboard recycling process and the manufacture of corrugated cardboard at Visy Recycling. Straight forward video. Would be useful to teachers.

ISBN: None

Paper, cardboard, recycling, pulp, corrugated cardboard

Recycling Processes

Author: Classroom Video

Publisher: Classroom Video (1991)

Publication/Cost: Video, \$70.00

Available From: Classroom Video

Aimed Level: Upper primary and postprimary students

Summary: (22 minutes) Some good footage of the processes of recycling glass, aluminium, paper, water and building materials. Teachers notes and four blackline masters supplied. Some of the footage would be very useful to classroom teachers. However, some of the descriptions of processes seem dated, ie 'recycle broken glass' and glass is washed before recycling. Delivery style is a bit flat.

ISBN: None

Recycling, waste disposal

Recycling the Way To Go

Author: Hiotis, H

Publisher: Kemcor Australia (1995)

Publication/Cost: Booklets, free
Available From: Kemcor Australia
Aimed Level: Primary students and teachers
Summary: Colouring and activities booklet (16 pages) with accompanying teacher's notes (14 pages). Integrated approach to reusing and recycling. Activities in activities book could be used as blackline masters. Two drawbacks: there is no indication of the expected year level of each activity and there are no attempts to link the program to the CSF.
ISBN: None
Garbage, reduce, reuse, recycle

Reduce Reuse Recycle

Author: Dina Matters Promotions and Events and Tait Muller, NWS 9.
Publisher: Keep South Australia Beautiful Inc. (1993)
Publication/Cost: Video, \$25.00
Available From: KSAB
Aimed Level: Senior primary - junior postprimary students
Summary: (30 minutes) South Australian video with segments on waste minimisation, composting, glass recycling, aluminium can recycling, PET recycling, liquidpaperboard recycling. Some good footage of industrial processes. Refers to South Australia in each segment, thereby limiting its appeal to that State. Some good footage of recycling processes.
ISBN: None
Waste minimisation, composting, glass recycling, aluminium can recycling, plastic recycling, liquidpaperboard recycling

Reduce, Reuse, Recycle: A Source Book

Author: Queensland Department of Environment and Heritage
Publisher: Queensland Department of Environment and Heritage (1991)
Publication/Cost: Kit, ?
Available From: Education and Information Unit Queensland
Aimed Level: Preschool to Year 10
Summary: Kit of three folders (Preschool to Year 3, Years 4 to 7, Years 8-10). Folders made from 100% recycled plastic. Each folder has a booklet with background notes (36 pages) and another with activities (35-66 pages) plus a coloured poster. Excellent kit of resources. Well planned and presented. Information sheets are specific to Queensland and are now dated.
ISBN: None
Waste minimisation, reduce, reuse, recycle, resources, energy conservation, water conservation

The Reln Worm Factory Education Kit

Authors: Christenson, C. and McLachlan, S.
Publisher: Reln Pty. Ltd. (1994)
Publication/Cost: Kit, \$20.00
Available From: Reln Pty. Ltd.
Aimed Level: Primary teachers
Summary: Kit comprises an education booklet (teachers guide) and a book 'Kids for Landcare: Wormwatch' (See separate listing). The education booklet (35 pages) clearly sets out how to plan integrated units on waste minimisation and compost worms gives a number of blackline masters. Useful and practical guide for teachers.
ISBN: None
Waste minimisation, composting, earthworms, compost worms, organic waste, reproduction, growth

School Environmental Audit: A Guide to Best Practice Environmental Management

Author: Keep Australia Beautiful Victoria
Publisher: Keep Australia Beautiful Victoria (1997)
Publication/Cost: Book, free
Available From: Keep Australia Beautiful Victoria
Aimed Level: Primary and postprimary students and teachers
Summary: (68 pages) Looks at four areas of environmental management: energy, materials, water and caring for plants and animals. Each area uses an action research approach.
ISBN: None

Energy, litter, materials, waste, water, audit

"School Waste Busters: Helping Reduce Litter and Waste", Issues, Waste Management, 33, October, 1995, 15-24.

Authors: Armstrong, P. and Winters, R.J.

Publisher: Australian Council of Educational Research Ltd. (1995)

Publication/Cost: Magazine, \$10.95

Available From: Australian Council of Education Research Ltd.

Aimed Level: Postprimary students and teachers

Summary: (10 pages) Presents the results of a survey into student attitudes and behaviour towards school littering and then provides the steps involved in setting up a School Waste Busters Program. These steps include activities, students surveys, developing a school litter reduction policy, based on a set of guidelines, and ongoing monitoring of the school litter.

Interesting article, with a sound practical set of guidelines for schools to reduce litter.

ISBN: 0819-8101

Litter, waste, recycling, composting

"SCRAP and Waste Minimisation Education", Issues:- Waste Management, 33, October, 1995, 9-14.

Author: Carroll, P.

Publisher: The Australian Council for Educational Research (1995)

Publication/Cost: Magazine, \$10.95

Available From: ACER Customer Services

Aimed Level: Postprimary

Summary: (6 pages) A very important article that clearly explains the philosophy and achievements of the SCRAP (School Communities Recycling All Paper) project in New South Wales. Inspiring article about what appears to be a successful scheme in NSW.

ISBN: 0819-8101

Waste minimisation, paper recycling, composting, solid waste auditing, greenwaste, purchasing

Summary of Litter Attitudes: Research Among Consumers, Retailers, Manufacturers and Local Government about Litter Management.

Authors: McGregor, I. & Truscott, M. & Starck, N.

Publisher: Keep Australia Beautiful National Association (1994)

Publication/Cost: Report and summary, Full report (4 vols) \$250.00 Executive summary \$50.00

Available From: Keep South Australia Beautiful

Aimed Level: General, environmental professionals, tertiary.

Summary: (23 pages) This document is a summary of a major study called "The Litter Report - A Comprehensive Research Survey on Litter Attitudes and Management." The litter report was compiled by an Adelaide research company, McGregor Marketing. Sections in the main report include 1. Trade Views, 2. Consumer Attitudes and Motivation, 3. Local Government and 4. Strategic Summary. This survey will be of considerable interest to teachers.

ISBN: None

Litter management, trade views, consumer attitudes and motivations, local government views

Waste and Litter Minimisation Directory for Schools in Melbourne's Northern Suburbs

Author: Iona Theodoridis

Publisher: Merri Creek Management Committee (1997)

Publication/Cost: Booklet, free for Northern region

Available From: Merri Creek Management Committee

Aimed Level: Primary and postprimary administrative staff and teachers

Summary: A simple and informative directory of waste and litter minimisation service and product providers for schools. The directory includes a guide to setting up recycling systems and a reference list of schools who have used the products and or services listed.

ISBN: None

Waste, litter, products, services

Waste and Recycling

Author: Merri Creek Management Committee (MCMC)

Publisher: MCMC (1997)

Publication/Cost: Book, available as part of education program; will be available for sale towards the end of 1998.

Available From: MCMC

Aimed Level: Upper primary and lower postprimary students and teachers

Summary: A clear, CSF linked, easy to use waste reduction guide that includes teaching ideas, student activities, blackline masters and waste and recycling information transferable to any locality. One unit of a four unit environmental education kit.

ISBN: None

Waste, recycling, reduction

Waste Disposal - Think Globally, Act Locally

Author: Classroom Video

Publisher: Classroom Video (1993)

Publication/Cost: Video, \$70.00

Available From: Classroom Video

Aimed Level: Upper primary students

Summary: (23 minutes) Aimed at schools, this video looks at how waste is disposed, recycling, composting, litter and shopping, toxic waste. Has some excellent footage of landfill operation (especially of landfill vehicles, tub grinders, concrete recycling and toxic waste disposal.) Supplied with teacher's notes. At times, is slow moving, particularly the sections with children. Kerbside recycling is hardly mentioned. Treatment of school composting is superficial. Sections are now dated.

ISBN: None

Waste, disposal recycling, landfill

Waste Information Sheets

Author: Gould League of Victoria

Publisher: (1993) Environs Australia/Gould League/EcoRecycle Victoria

Publication/Cost: Leaflets, free

Available From: EcoRecycle Victoria

Aimed Level: Upper primary to postprimary students and teachers

Summary: (Nineteen information sheets) Designed to provide impartial, accurate information on key aspects of waste minimisation; sheets developed so far include Garbage, Waste Facts, The 3Rs, Paper Recycling, Plastics Recycling, Glass Recycling, Steel Can Recycling, Aluminium Can Recycling, Milk and Juice Carton Recycling, Composting, Wormeries, Resources for Waste Minimisation, Key Contacts for Information on Waste Minimisation, Communicating About Waste, Action for Consumers, Action for Producers, Distributors and Retailers.

ISBN: None

Waste minimisation, waste disposal, recycling, reusing, reducing, landfill, composting, wormeries, mulching

Waste Less: A Teaching and Learning Theme On Mathematics of Our Environment (Mathematics (Standard) Years 9-10)

Author: New South Wales Department of Education/Environment Protection Authority NSW

Publisher: New South Wales Department of Education Environment/Protection Authority NSW (58 pages)

Publication/Cost: Book, ?

Available From: N/A

Aimed Level: Postprimary students and teachers (Years 9-10)

Summary: Designed as a unit for a focus area, "Mathematics of our Environment" in Mathematics Years 9 and 10 Syllabus in NSW. Many of the worksheets for the activities could be adapted for use in Victorian schools.

ISBN: 0 7310 8336

Composting, worm farms, biodiversity, ecosystems, water usage, waste

Waste Matters: Environmental Education Activities About Waste.

Authors: Armstrong, P. and Laffin, J.

Publisher: Gould League of Vic. Inc. (1993)

Publication/Cost: Book, \$17.95

Available From: Gould League of Victoria

Aimed Level: Primary and post primary teachers

Summary: (100 pages) A comprehensive volume of environmental activities about waste. The main topics are garbage, waste disposal, energy and resources, litter, composting and the 3Rs - reduce, reuse and recycle. Illustrations by Sharyn Madder. Detailed bibliography. Separate section of data-based activities could be used by senior postprimary students. Excellent set of activities. Well illustrated and presented. Facts now outdated.
ISBN: 1 875687 06 8
Garbage, litter, energy and resources, disposal, composting, reduce, reuse, recycle

Waste Not Want Not (The Footprints Project)

Author: Kath Murdoch
Publisher: Vox Bandicoot Pty Ltd for G & M Consultancy
Publication/Cost: Book, free
Available From: EcoRecycle Victoria
Aimed Level: Primary teachers of students in Years 5-8
Summary: (33 pages) Four week unit of work in English and SOSE Key Learning Areas of the Curriculum and Standards Framework. Can be used as an integrated unit or as separate subjects. Excellent resource.
ISBN: None
Waste minimisation, composting, packaging, recycling

Waste Stoppers: Manual for Training Recycling Coordinators

Authors: Armstrong, P., Gibson, G. and Winters, R.J.
Publisher: Gould League of Victoria, Municipal Conservation Association and The Recycling and Resource Recovery Council (1995)
Publication/Cost: Manual, \$26.95
Available From: Gould League of Victoria
Aimed Level: Officers in local government
Summary: (174 pages) The manual aims to draw together the experiences of several local governments in conducting recycling coordinator programs. It clearly sets out how to establish and maintain a new recycling coordinator program, and gives a detailed training course for prospective coordinators. It also provides a set of useful information sheets on waste, recycling, composting, important references and key contacts. Comprehensive manual with information sheets that could be used more widely, especially by schools.
ISBN: None
Waste minimisation, community networking, recycling coordinators, community behaviour, packaging, recycling, reduce, reuse, organic waste, composting, wormeries, mulching, communication and presentation skills

WasteWise: A Quest, An Environmental Education Program for Junior Secondary School

Authors: Biro, P., Dempsey, D., Donaldson, J. and Laffin, J. Adapted and edited by G. Kelly.
Publisher: New South Wales Government Litter Reduction Campaign (1989)
Publication/Cost: Kit - book and video, no longer available - check your library
Available From: N/A
Aimed Level: Junior postprimary teachers
Summary: The Kit comprises a video and an 83 page book. The video is a imaginative look at what the future could be like unless steps are taken now to minimise waste. The book is a collection of activities on litter, packaging and the throwaway society and recycling (including setting up a school recycling facility). Excellent video and well set out guide.
ISBN: 0 7305 5312 4
Litter, packaging, throwaway society, recycling

We Can Do That! Education and Action for Our Environment. A Collection of Significant Projects.

Authors: Thomas, R., Rea, J., Preuss, P., and Malcolm, S.
Publisher: The Victorian Environmental Education Council and the Gould League of Victoria Inc. (1995)
Publication/Cost: Book, \$9.95
Available From: Gould League of Victoria
Aimed Level: Schools, colleges, kindergartens, universities, businesses, community and governments.
Summary: (58 pages) A collection of successful projects of environmental learning and action by: educational institutions, businesses, non-profit organisations, government agencies and local communities. Great collection of examples, some of which deal with waste minimisation.

ISBN: 1 875687 24 6
Action, environmental learning

Why Students Do or Do Not Litter: A Research Project to Determine Student Attitudes and Behaviour Towards Littering

Authors: Van Klaveren, S. and Verdon, M.
Publisher: Gould League of Victoria Inc. and the Departments of Planning, Policy and Landscape and Social Science, RMIT (1994)
Publication/Cost: Report, \$12.00
Available From: Gould League of Victoria
Aimed Level: Environmental professionals, primary and post primary teachers.
Summary: 49 pages) A preliminary study on the attitudes and behaviour of Melbourne postprimary students to littering. The study was limited, but did provide several interesting results that warrant further study. A checklist of strategies was developed from this study and included in the report. Important research which needs to be followed up with case studies of schools who have dealt successfully with litter.
ISBN: None
Litter, attitudes, behaviour, environmental education

Winding Back Waste

Author: Northern Industries Environment Group/Hume City Council
Publisher: Northern Industries Environment Group/Hume City Council/EcoRecycle Victoria
Publication/Cost: Video, free
Available From: Available on loan from EcoRecycle Victoria
Aimed Level: Primary and postprimary teachers and students
Summary: Features case studies of the methods and results of waste minimisation initiatives by local businesses.
ISBN: None
Waste minimisation, businesses

Wormania

Author: Appelhof, M.
Publisher: Flower Press (1995)
Publication/Cost: Video and Teaching Guide, \$59.95
Available From: Gould League of Victoria or CERES
Aimed Level: Upper primary - junior postprimary students and teachers.
Summary: (26 minutes) USA-based resource. The video is a fast-paced and lively account of compost worms with some unique footage of worms mating, worms hatching from cocoons, worms moving and the internal organs of worms. A clear description is given on how to set up a worm bin. Presented by "Worm Woman" (Mary Appelhof) and the Brennan family. The teacher's guide provides useful ideas on how to best use the video in the classroom. Amusing and fast paced, this video should appeal to students, especially primary students. The live footage is fantastic.
ISBN: 0 942256 08 5
Compost worms, earthworm reproduction and locomotion

Worms Eat My Garbage

Author: Appelhof, M.
Publisher: Flower Press (1982)
Publication/Cost: Book, \$14.95
Available From: Gould League of Victoria or CERES
Aimed Level: General
Summary: (100 pages) A guide that gives illustrated instructions on how to set up and maintain worm composting systems. From the USA. Easy to read, practical guide.
ISBN: 0 942256 03 4
Compost worms, composting

Worms Eat Our Garbage: Classroom Activities for a Better Environment.

Authors: Appelhof, M., Fenton, M.F. and Harris, B.L.
Publisher: Flower Press (1993)
Publication/Cost: Book, \$39.95
Available From: Gould League of Victoria or CERES
Aimed Level: Primary teachers

Summary: (214 pages) Cross curriculum approach to the study of earthworms. Many useful blackline masters, separate section on charts and record sheets and another with specific answers and ideas. From the USA. Cram packed with practical activities for classroom teachers. Several drawbacks: US system of measurement is used, there is no guide to the expected level for each activity and of course it doesn't relate to the Victorian curriculum.
ISBN: 0 942256 05 0
Worms, worm composting

Worm Warriors

Author: Dal-media Productions
Publisher: Dal-media Productions (1997)
Publication/Cost: Video, none
Available From: On loan from CERES Environmental Park or EcoRecycle Victoria
Aimed Level: Students Years 4-7
Summary: (24 minutes) Lively story about three young people who "discover" the value of worm composting at CERES with Joe Natoli. Some excellent footage about large scale worm farming and how to set up a simple home worm farm. Very good video with very useful information .
ISBN: None
Worm farming vermicompost, compost worms, capsule

Worms Worms Worms

Author: CSIRO
Publisher: CSIRO Division of Soils
Publication/Cost: Poster, \$9.95
Available From: CSIRO or Gould League of Victoria
Aimed Level: General
Summary: Poster featuring photographs of common earthworms and worm cocoons and clear diagrams of the basic biology of earthworms. Explains how to distinguish between introduced worms and native earthworms, and describes the benefits of earthworms to the soil. Excellent poster
ISBN: None
Earthworms, introduced, native, worm castings, lifecycle, cocoon