



Learning About Litter Teachers Guide

alignment with the Australian Curriculum
Focus: Science, Geography and Sustainability. K-7

The following document outlines the strands, sub-strands, their content and the aligned lesson/s within the guide for each year level from Yr K – 7

The entire package relates to the following aspects of Sustainability:

Organising ideas

Systems

01.1 The biosphere is a dynamic system providing conditions that sustain life on Earth

01.2...All life forms, including human life, are connected through ecosystems on which they depend for their wellbeing and survival

01.3...Sustainable patterns of living rely on the interdependence of healthy social, economic and ecological systems.

World Views

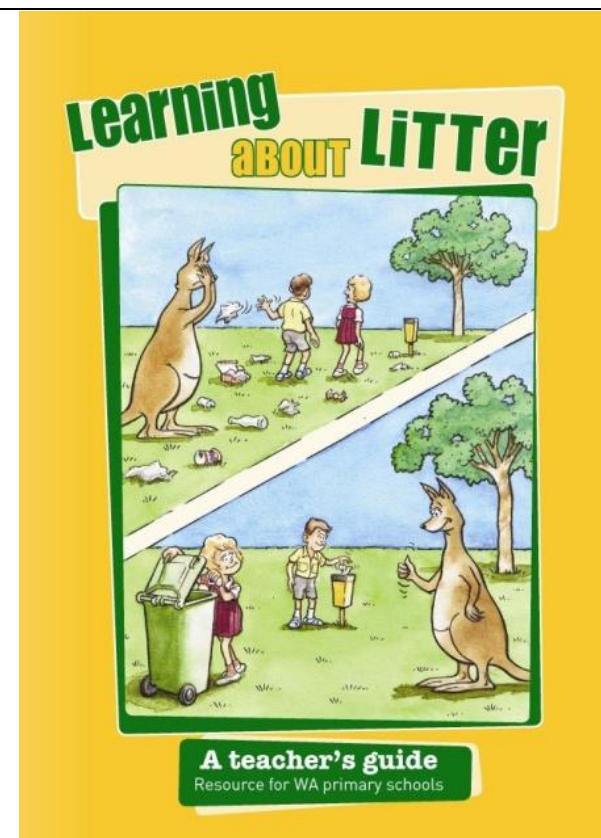
01.5...World views are formed by experiences at personal, local, national and global levels, and are linked to individual and community actions for sustainability

Futures

01.7 Actions for a more sustainable future reflect values of care, respect and responsibility, and require us to explore and understand environments.

01.8...Designing action for sustainability requires an evaluation of past practices, the assessment of scientific and technological developments, and balanced judgments based on projected future economic, social and environmental impacts

01.9 Sustainable futures result from actions designed to preserve and/or restore the quality and uniqueness of environments.



Foundation						
Strand	Sub-strand	Content Description	Teacher's Guide. Relevant lessons	page no.	Supporting DVD The Protector Landfill & You	Integrated curricula areas.
Science Understanding	Chemical science	Objects are made of materials that have observable properties (ACSSU003)	Mini Landfill	16-17	Landfill & You	Literacy, T&E, The Arts, Music
			Don't Dump It – Divide it!	18-21		
			All Wrapped Up!	22-25		
Science as a Human Endeavour	Nature and development of science	Science involves exploring and observing the world using the senses (ACSHE013)	Litter and you Down the Drain	6-7 26-29		Literacy The Arts
Science Inquiry Skills	Planning and Conducting	Explore and make observations by using the senses (ACSIS011)	Litter and you Down the Drain	6-7 26-29		Literacy The Arts
	Communicating	Share observations and ideas (ACSIS012)	Litter Hazards	31-33		Literacy, Health, The Arts
Geographical Knowledge and Understanding		The reasons why some places are special to people, and how they can be looked after (ACHGK004)	Litter survey	34-36		Health
Geographical Inquiry and Skills	Reflecting and responding	Reflect on their learning and suggest responses to their findings (ACHGS012)	Litterbugs Beware!	37-39		Literacy, Health

Year 1						
Strand	Sub-strand	Content Description	Teacher's Guide. Relevant lessons	page no.	Supporting DVD The Protector Landfill & You	Integrated curricula areas.
Science Understanding	Chemical Sciences	Everyday materials can be physically changed in a variety of ways (ACSSU018)	Mini Landfill Don't Dump It – Divide it!	16-17 18-21	Landfill & You	Literacy T&E, The Arts,
Science as a Human Endeavour	Nature and development of science	Science involves asking questions about, and describing changes in, objects and events (ACSHE021)	Litter and you Down the Drain	6-7 26-29		Literacy, The Arts
	Use and influence of science	People use science in their daily lives, including when caring for their environment and living things (ACSHE022)	Litter and you Don't Dump it...Divide it! All Wrapped Up! Down the Drain Litter Hazards	6-7 18-21 22-25 26-29 31-33	The Protector Landfill & You	Literacy, Health, The Arts
Science Inquiry Skills	Planning and conducting	Participate in different types of guided investigations to explore and answer questions, such as manipulating materials, testing ideas, and accessing information sources (AC SIS025)	Mini Landfill Don't Dump it...Divide it! Litter Hazards	16-17 18-21 31-33		Literacy, Health, The Arts,T&E
	Processing and analysing data and information	Use a range of methods to sort information, including drawings and provided tables (AC SIS027)	Don't Dump it...Divide it!	18-21		Literacy, Maths
	Evaluating	Compare observations with those of others (AC SIS213)	Litter Hazards	31-33		Literacy, Health, The Arts
	Communicating	Represent and communicate observations and ideas in a variety of ways such as oral and written language, drawing and role play (AC SIS029)	Litter and you	6-7		Literacy, The Arts
Geographical Inquiry and Skills	Reflecting and responding	Reflect on their learning and suggest responses to their findings (ACHGS012)	Litterbugs Beware!	37-39		Literacy, Health

Year 2						
Strand	Sub-strand	Content Description	Teacher's Guide. Relevant lessons	page no.	Supporting DVD The Protector Landfill & You	Integrated curricula areas.
Science Understanding	Earth & Space Sciences	Earth's resources, including water, are used in a variety of ways (ACSSU032)	Down the Drain Litter Hazards	26-29 31-33		Literacy, The Arts
Science as a Human Endeavour	Nature and development of science.	Science involves asking questions about, and describing changes in, objects and events (ACSHE034)	Litter and you Down the Drain Litter Hazards	6-7 26-29 31-33		Literacy
	Use and influence of science	People use science in their daily lives, including when caring for their environment and living things (ACSHE035)	Litter and you Don't Dump it...Divide it! All wrapped up! Down the Drain Litter Hazards	6-7 18-21 22-25 26-29 31-33	Landfill & You	Literacy
Science Inquiry Skills	Planning and conducting	Participate in different types of guided investigations (AC SIS038)	Mini Landfill Don't Dump it...Divide it! Litter Hazards	16-17 18-21 31-33		Literacy, Health, The Arts, T&E
		Use informal measurements in the collection and recording of observations, with the assistance of digital technologies as appropriate (AC SIS039)	Litter and you Mini Landfill Don't dump it...Divide it!	6-7 16-17 18-21		Literacy, T&E, The Arts
	Processing and analysing data and information	Use a range of methods to sort information, including drawings and provided tables (AC SIS040)	Litter Muster Mini Landfill Don't dump it...Divide it!	12-15 16-17 18-21		Literacy, T&E, The Arts
	Evaluating	Compare observations with those of others (AC SIS041)	Litter Hazards	31-33		Literacy, Health, The Arts
	Communicating	Represent and communicate observations and ideas in a variety of ways such as oral and written language, drawing and role play (AC SIS042)	Litter Hazards	31-33		Literacy, Health, The Arts
Geographical Inquiry and Skills	Reflecting and responding	Reflect on their learning and suggest responses to their findings (ACHGS018)	Litterbugs Beware!	37-39		Literacy, Health

Year 3						
Strand	Sub-strand	Content Description	Teacher's Guide. Relevant lessons	page no.	Supporting DVDs	Integrated curricula areas.
Science as a Human Endeavour	Nature and development of science.	Science involves making predictions and describing patterns and relationships (ACSHE050)	Class discussion prior to Litter muster; Mini landfill activity and extension; Litter hazards; and Litter survey activities	12-15 16-17 31-33 34-36		Literacy, Health
	Use and influence of science	Science knowledge helps people to understand the effect of their actions (ACSHE051)	Litter and you Litter Muster Mini Landfill Don't Dump it, Divide it! All Wrapped Up! Down the Drain Litter Hazards Litter Quiz	6-7 12-15 16-17 18-21 22-25 26-29 31-33 40-41	The Protector Landfill & You	Literacy, Math T&E, The Arts
Science Inquiry Skills	Planning and conducting	Safely use appropriate materials, tools or equipment to make and record observations, using formal measurements and digital technologies as appropriate (AC SIS055)	Litter and you Mini Landfill	6-7 16-17		Maths
	Processing and analysing data and information	Use a range of methods including tables and simple column graphs to represent data and to identify patterns and trends (AC SIS057)	Litter Muster Mini Landfill Don't Dump it, Divide it!	12-15 16-17 18-21		Maths
		Compare results with predictions, suggesting possible reasons for findings (AC SIS215)	Litter Muster	12-15		Literacy
	Communicating	Represent and communicate ideas and findings in a variety of ways such as diagrams, physical representations and simple reports (AC SIS060)	Litter Muster Litter Hazards	12-15 31-33		Literacy Health, The Arts
Geography	Geographical understanding	The similarities and differences in individuals' and groups' feelings and perceptions about places, and how they influence views about the protection of these places (ACHGK025)	Litter survey	34-36		Health

Year 4						
Strand	Sub-strand	Content Description	Teacher's Guide. Relevant lessons	page no.	Supporting DVD The Protector Landfill & You	Integrated curricula areas.
Science Understanding	Chemical Sciences	Natural and processed materials have a range of physical properties; These properties can influence their use (ACSSU074)	Mini Landfill Don't Dump It, Divide it!	16-17 18-21	Landfill & You	Literacy T&E, Art, Music, Health
Science as a Human Endeavour	Nature and development of science	Science involves making predictions and describing patterns and relationships (ACSHE061)	Class discussion prior to Litter muster; Mini Landfill and Litter survey activities.	12-15 16-17 34-36		Literacy
	Use and influence of science	Science knowledge helps people to understand the effect of their actions (ACSHE062)	Litter and you Litter Muster Mini Landfill Don't Dump it, Divide it! All Wrapped Up! Down the Drain Litter Hazards Litter Quiz	6-7 12-15 16-17 18-21 22-25 26-29 31-33 40-41	The Protector Landfill & You	Literacy, Maths T&E, The Arts
Science Inquiry Skills	Planning and conducting	With guidance, identify questions in familiar contexts that can be investigated scientifically and predict what might happen based on prior knowledge (AC SIS064)	Mini Landfill	16-17		Health
		Safely use appropriate materials, tools or equipment to make and record observations, using formal measurements and digital technologies as appropriate (AC SIS066)	Litter Muster Mini Landfill	6-7 16-17		Maths
	Processing and analysing data and information	Use a range of methods including tables and simple column graphs to represent data and to identify patterns and trends (AC SIS068)	Litter and you Litter Muster Mini Landfill	6-7 12-15 16-17		Maths

		Compare results with predictions, suggesting possible reasons for findings (ACSIS216)	Litter Muster Mini landfill Litter Survey	6-7 16-17 34-36		Literacy, Health
	Communicating	Represent and communicate ideas and findings in a variety of ways such as diagrams, physical representations and simple reports (ACSIS071)	Litter Muster Litter Hazards	12-15 31-33		Literacy Health, The Arts
Geography	Geographical knowledge & understanding	The sustainable management of waste from production and consumption (ACHGK025) The importance of environments to animals and people, and different views on how they can be protected (ACHGK022)	Mini landfill Don't Dump it...Divide it! All Wrapped Up! Down the Drain Litter Hazards Litter Quiz Litter survey Litter Survey	16-17 18-21 22-25 26-29 31-33 40-41 34-36 34-36	Landfill & You The Protector	Literacy, T&E, Art, Music, Health Literacy, Health
Geographical Inquiry and Skills	Reflecting and responding	Reflect on their learning to propose individual action in response to a contemporary geographical challenge and identify the expected effects of the proposal (ACHGS032)	Litterbugs Beware!	37-39		Literacy, Health

Year 5						
Strand	Sub-strand	Content Description	Teacher's Guide. Relevant lessons	page no.	Supporting DVD The Protector Landfill & You	Integrated curricula areas.
Science as a Human Endeavour	Nature and development of science.	Science involves testing predictions by gathering data (ACSHE081)	Class discussion prior to Litter muster, Mini Land fill & Litter survey activities.	12-15 16-17 34-36		Literacy, Health
	Use and influence of science	Scientific knowledge is used to inform personal and community decisions (ACSHE217)	Litter and you Litter Muster Mini Landfill Don't Dump it, Divide it! All Wrapped Up! Down the Drain Litter Hazards Litter Survey extension	6-7 12-15 16-17 18-21 22-25 26-29 31-33 34-36	Landfill & You	Literacy Maths
Science Inquiry Skills	Questioning and predicting	With guidance, pose questions to clarify practical problems or inform a scientific investigation, and predict what the findings of an investigation might be (ACSIS231)	Litter Muster Mini Landfill	12-15 16-17		Literacy
	Planning and conducting	With guidance, plan appropriate investigation methods to answer questions or solve problems (ACSIS086)	Litter survey	34-36		Health
		Use equipment and materials safely, identifying potential risks (ACSIS088)	Litter Muster	12-15		Maths
		Decide which variable should be changed and measured in fair tests and accurately observe, measure and record data, using digital technologies as appropriate (ACSIS087)	Litter Muster Mini Landfill All Wrapped Up!	12-15 16-17 22-25		Maths

	Processing and analysing data and information	Construct and use a range of representations, including tables and graphs, to represent and describe observations, patterns or relationships in data using digital technologies as appropriate (ACSIS090) Compare data with predictions and use as evidence in developing explanations (ACSIS218)	Litter and you Litter Muster Mini Landfill Litter Muster Mini Landfill Litter Survey	6-7 12-15 16-17 12-15 16-17 34-36		Maths Literacy, Health
	Communicating	Communicate ideas, explanations and processes in a variety of ways, including multi-modal texts (ACSIS093)	Litter Muster Litter Hazards	12-15 31-33		Literacy Health, The Arts
Geography	Geographical knowledge & understanding.	The influence people have on the human characteristics of places and the management of spaces within them (ACHGK029)	Litter and you What is Litter? Don't Dump it, Divide it! Down the Drain Litter Hazard Litter Survey Litter Quiz	6-7 8-11 18-21 26-29 31-33 34-36 40-41	Landfill & You	Maths; Literacy, Health, Art, Music, T&E
Geographical Inquiry and Skills	Reflecting and responding	Reflect on their learning to propose individual action in response to a contemporary geographical challenge and identify the expected effects of the proposal (ACHGS039)	Litterbugs Beware!	37-39		Literacy, health

Year 6						
Strand	Sub-strand	Content Description	Teacher's Guide. Relevant lessons	page no.	Supporting DVD The Protector Landfill & You	Integrated curricula areas.
Science as a Human Endeavour	Nature and development of science.	Science involves testing predictions by gathering data and using evidence to develop explanations of events and phenomena (ACSHE098)	Class discussion prior to Litter muster, Mini Landfill & Litter survey activities.	12-15 16-17 34-36		Literacy, Health
	Use and influence of science	Scientific understandings, discoveries and inventions are used to solve problems that directly affect peoples' lives (ACSHE100) Scientific knowledge is used to inform personal and community decisions (ACSHE220)	Litter Survey extension Litter and you Litter Muster Mini Landfill Don't Dump it, Divide it! All Wrapped Up! Down the Drain Litter Hazards Litter Survey	34-36 6-7 12-15 16-17 18-21 22-25 26-29 31-33 34-36	Landfill & You Landfill & You	Health Literacy, Maths, Health
Science Inquiry Skills	Questioning and predicting	With guidance, pose questions to clarify practical problems or inform a scientific investigation, and predict what the findings of an investigation might be (ACSIS232)	Litter Muster Mini Landfill	12-15 16-17		Health
	Planning and conducting	Use equipment and materials safely, identifying potential risks (ACSIS105)	Litter Muster	12-15		Maths
	Processing and analysing data and information	Construct and use a range of representations, including tables and graphs, to represent and describe observations, patterns or relationships in data using digital technologies as appropriate (ACSIS107) Compare data with predictions and use as evidence in developing explanations (ACSIS221)	Litter and you Litter Muster Mini Landfill Litter Muster Mini Landfill Litter Survey	6-7 12-15 16-17 12-15 16-17 34-36		Maths Literacy

	Communicating	Communicate ideas, explanations and processes in a variety of ways, including multi-modal texts (ACSIS110)	Litter Muster Litter Hazards	12-15 31-33		Literacy Health, The Arts
Geographical Inquiry and Skills	Reflecting and responding	Reflect on their learning to propose individual action in response to a contemporary geographical challenge and identify the expected effects of the proposal (ACHGS046)	Litterbugs Beware!	37-39		Literacy, Health

Year 7						
Strand	Sub-strand	Content Description	Teacher's Guide. Relevant lessons	page no.	Supporting DVD The Protector Landfill & You	Integrated curricula areas.
Science Understanding	Earth & Space Sciences	Water is an important resource that cycles through the environment (ACSSU222)	Down the Drain Litter Hazards	26-29 31-33		Literacy, Art
Science as a Human Endeavour	Nature and development of science	Scientific knowledge changes as new evidence becomes available, and some scientific discoveries have significantly changed people's understanding of the world (ACSHE119)	Mini Landfill Litter Survey Extension	16-17 34-36	Landfill & You	Health
	Use and influence of science	Science understanding influences the development of practices in areas of human activity such as industry, agriculture and marine and terrestrial resource management (ACSHE121) People use understanding and skills from across the disciplines of science in their occupations (ACSHE224)	Litter and you Litter Muster Mini Landfill Don't Dump it, Divide it! All Wrapped Up! Down the Drain Litter Hazards	6-7 12-15 16-17 18-21 22-25 26-29 31-33	Landfill & You Landfill & You	Literacy, Maths Literacy
Science Inquiry Skills	Questioning and predicting	Identify questions and problems that can be investigated scientifically and make predictions based on scientific knowledge (AC SIS124)	Litter Muster Mini Landfill	12-15 16-17		Health
	Planning and conducting	Collaboratively and individually plan and conduct a range of investigation types, including fieldwork and experiments, ensuring safety and ethical guidelines are followed (AC SIS125)	Litter Muster Mini Landfill	12-15 16-17		
	Processing and analysing data and information	Construct and use a range of representations, including graphs, keys and models to represent and analyse patterns or relationships, including using digital technologies as appropriate (AC SIS129)	Litter and you Litter Muster Mini Landfill	6-7 12-15 16-17		Maths

		Summarise data, from students' own investigations and secondary sources, and use scientific understanding to identify relationships and draw conclusions (ACSIS130)	Litter Muster Mini Landfill	12-15 16-17		Literacy
	Communicating	Communicate ideas, findings and solutions to problems using scientific language and representations using digital technologies as appropriate (ACSIS133)	Litter Muster Litter Hazards	12-15 31-33		Literacy Health, The Arts
Geographical Inquiry and Skills	Reflecting and responding	Reflect on their learning to propose individual and collective action in response to a contemporary geographical challenge, taking account of environmental, economic and social considerations, and predict the expected outcomes of their proposal (ACHGS054)	Litterbugs Beware!	37-39		Literacy, Health