ADOPT A BUSHLAND



YEAR FOUR TO SEVEN TEACHERS GUIDE

ITTER



This activity explores the effect of rubbish on bushland fauna and flora. Students can explore the consequences of littering on the environment through video, text, internet research and discussion. There are two levels of reading material and worksheets to suit reading ability.

See the *Teachers Guide - Bushland Activities* for hands on bushland lessons dealing with weed and litter surveys.

Biological Sciences

Year	Content Description	Elaborations	Teaching Points
Four	Science as a Human Endeavour/Use and Influence of Science Science knowledge helps people to understand the effect of their actions. ACSHE062	 Considering methods of waste management and how they can affect the environment. Exploring how science has contributed to a discussion about an issue such as loss of habitat for living things or how human activity has changed the local environment. 	 Biodegradable vs. non-biodegradable. Issue - physical and chemical dangers of rubbish.
Five	Science as a Human Endeavour/Use and Influence of Science Scientific knowledge is used to inform personal and community decisions. ACSHE217	 Consider how scientific knowledge may influence a person's choices e.g. use of cloth shopping bags, recycling practises. Explore how the local community authority uses scientific knowledge to make decisions about waste management. 	Same as previous plus Options for waste management at a personal and community level e.g. recycling, reusing, composting, chooks, picking up rubbish.
Six	Science as a Human Endeavour/Use and Influence of Science Scientific knowledge is used to inform personal and community decisions. ACSHE220	 Consider how scientific knowledge may influence a person's choices e.g. use of cloth shopping bags, recycling practises. Explore how the local community authority uses scientific knowledge to make decisions about waste management. 	Same as previous

These educational resources have been produced by the City of Joondalup with the expertise of a teacher and all due care has been taken to ensure accurate information has been provided and the work is Australian Curriculum aligned. The City does not guarantee that it is free from error or omission.

Year
Seven

Geography						
Year	Content Description	Elaborations	Teaching Points			
Four	Geographical Knowledge and Understanding The sustainable management of waste from production and consumption. ACHGK025	 Describing how natural processes can break down and recycle some wastes safely, for example, through composting or purifying water as it moves through the environment. Exploring different ways of managing wastes sustainably and how these may include the principles of reduce, reuse, recycle and replace. 	 Renewable vs. non-renewable. Biodegradable vs. non-biodegradable. What are microorganisms? 			
Five	No relevant curriculum					
Six	No relevant curriculum					
Seven	Geographical	Explaining how the	Same as Year 4 plus			

movement of water

connects places.

• Investigating the

through the environment

environmental, economic

and social effects of water

as it connects places.

• Effect of pollution on

bushland flora and

· death of wildlife;

· Chemical toxicity

caused by plastic

and cigarette butts.

fauna such as:

Knowledge and

Understanding

Unit 1: Water in the world.

water connect places as it

environment and the way

The ways that flows of

moves through the

this affects places.

ACHGK038



- Explore the impact of rubbish on the environment (with an emphasis on fauna).
 - Behind the News (ABC, 2014) has several good video clips on rubbish and recycling.

Student Activity: Litter

- This text has a large amount of information on it so may not be suitable for less able readers, however it may be used in small groups. There are two versions – Year 4/5 and Year 6/7.
- This worksheet (two versions: Year 4/5 and Year 6/7) is best completed after viewing some short films, images of rubbish (try Google images) and discussion about littering.
- Year 4/5:
 - A bar graph of the rubbish decay time could be constructed in groups or as a whole class. The type of rubbish or pictures of that rubbish could be used inside the columns.
 For example pictures of apple cores could be glued into that column.
 - Follow up activities could include: Letter to the Editor (*Persuasive Writing Table* is available for this), poster promoting proper rubbish disposal, school or bushland clean up day, school or local bushland rubbish inventory.
- Year 6/7
 - The bar graph is included as a part of the worksheet.
 - A Persuasive Writing Table is included at the end of the worksheet. The purpose being to write a Letter to the Editor of the local newspaper.

References

ABC, 2014, Behind the News, http://www.abc.net.au/btn/

Blenheim Films, 2013, Trashed: No Place for Waste, http://www.trashedfilm.com/

City of Joondalup, 2009, *Geography and Science: Waste Education - Reduce, Recycle, Recover*, http://www.joondalup.wa.gov.au/Explore/SchoolConnections/GeographyandScience.aspx

Clean Up Australia, no date, Clean Up, http://www.cleanup.org.au/au/

Kanyana Wildlife Centre, no date, Kanyana Wildlife, http://www.kanyanawildlife.org.au/

Keep Australia Beautiful, 2014, Keep Australia Beautiful, http://kab.org.au/

Mindarie Regional Council (MRC), 2014, We Love Talking Rubbish!, http://www.mrc.wa.gov.au/ Education-Resources.aspx

Native Animal Rescue, no date, *Native Animal Rescue*, http://www.nativeanimalrescue.org.au/ Youtube, no date, *How to Destroy the World "Rubbish"*, http://www.youtube.com/ watch?v=u0OQPVy0S1o&feature=youtu.be

