



Teacher Resource Pack

Grade 1

Subject: Science

Achievement Standard:

By the end of Year 1, students [describe](#) changes in their local environment and how different places meet the needs of living things.

Strand	Sub-Strand	Content Descriptor	Elaborations
Science Understanding	Biological Sciences	Living things have a variety of external features (ACSSU017)	<ul style="list-style-type: none"> • Recognising common features of animals such as head, legs and wings • Describing the use of animal body parts for particular purposes such as moving and feeding

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		Living things live in different places where their needs are met (ACSSU211)	<ul style="list-style-type: none"> • Exploring different habitats in the local environment such as the beach, bush and backyard • Recognising that different living things live in different places such as land and water • Exploring what happens when habitats change and some living things can no longer have their needs met
Science as a Human Endeavour	Nature and Development of Science	Science involves observing, asking questions about, and describing changes in, objects and events (ACSHE021)	<ul style="list-style-type: none"> • Jointly constructing questions about the events and features of the local environment with teacher guidance • Recognising that descriptions of what we observe are used by people to help identify change
	Use and Influence of Science	People use science in their daily lives, including when caring for their environment and living things (ACSHE022)	<ul style="list-style-type: none"> • Identifying ways that science knowledge is used in the care of the local environment such as animal habitats, and suggesting changes to parks and gardens to better meet the needs of native animals
Science Inquiry Skills	Questioning and Predicting	Pose and respond to questions, and make predictions about familiar objects and events (AC SIS024)	<ul style="list-style-type: none"> • Thinking about "What will happen if.....?" type questions about everyday objects and events

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	<p>Planning and Conducting</p>	<p>Participate in guided investigations to explore and answer questions (AC SIS025)</p>	<ul style="list-style-type: none"> • Researching ideas collaboratively using big books, web pages and ICT within the classroom • Sorting information and classifying objects based on easily observable characteristics with teacher guidance
	<p>Processing and Analysing Data and information</p>	<p>Use a range of methods to sort information, including drawings and provided tables through discussion, compare observations with predictions (AC SIS027)</p>	<ul style="list-style-type: none"> • Using matching activities, including identifying similar things, odd-one-out and opposites • Exploring ways of recording and sharing information through class discussion • Jointly constructing simple column graphs and picture graphs to represent class investigations
	<p>Communicating</p>	<p>Represent and communicate observations and ideas in a variety of ways (AC SIS029)</p>	<ul style="list-style-type: none"> • Discussing or representing what was discovered in an investigation • Engaging in whole class or guided small group discussions to share observations and ideas

Literacy

Factual texts:

- **Fact sheets**
<https://www.enviro-print.com.au/SaveTheBilbyFund/2015/pages/resources.html>
- **Fact sheet, 2 page long**
<http://www.savethebilbyfund.com/bilbies.php>
- **National Geographic Article**
<http://www.australiangeographic.com.au/society/fundraising/2014/03/save-the-bilby-fundraiser>

Fictional texts:

- ***Identified gap in resources***

Activities:

- **I can draw a bilby**
<https://www.enviro-print.com.au/SaveTheBilbyFund/2015/pages/resources.html>
- **Go Green for Bilbies**
<http://www.enviro-print.com.au/SaveTheBilbyFund/2015/pages/GoGreenForBilbies.html>
- **Adopt a Bilby**
<http://shop.dreamworld.com.au/Tickets/AAA>
- **Sponsor a bilby**
http://www.enviro-print.com.au/SaveTheBilbyFund/Sponsorship/Become_a_Bilby_Buddy.html
- **Resource Kit** (includes a times table sheet) (\$60)
<http://www.enviro-print.com.au/OnlineOrdering/Joey-Bilby-School-Activity-Kit-ENVIROPRINT.html>
- **Word search**
<https://www.enviro-print.com.au/SaveTheBilbyFund/2015/pages/resources.html>
- **Maze**

<https://www.enviro-print.com.au/SaveTheBilbyFund/2015/pages/resources.html>

Information Communication Technologies

Websites:

- www.eaterbilby.com.au (unable to audit due to password restrictions, as discussed with the Fund)

Videos:

- **Wiggles support the Save The Bilby Fund video**
<https://youtu.be/dz-JyXUStXo>

Games and webquests:

- **Identified gap in resources**

Unit plans and lessons

- **Identified gap in resources**

Creative Arts

Music:

- **Identified gap in resources**

Arts and Crafts:

- **Identified gap in resources**

Role play:

- **Identified gap in resources**

Experiences

Field trips:

- **Charleville Bilby Experience**
<http://www.savethebilbyfund.com/charleville-bilby-experience.php>
- **Ipswich Nature Centre, Nocturnal Bilby Exhibit** URL ON Bilby Fund SITE N/A. This one works:
<http://www.discoveripswich.com.au/attraction/ipswich-nature-centre/>

- **Featherdale Wildlife Park**
<http://www.featherdale.com.au/school-excursions/>

School visits:

- **Featherdale Wildlife Park**
<http://www.featherdale.com.au/school-excursions/>
- **Dreamworld: Wildlife for kids**
<https://www.dreamworld.com.au/education/teachers/wildlife-for-kids>

Recommended resources (Grade 1)

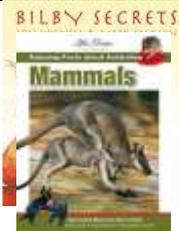
Literacy

Factual texts:



Macrotis the Easter Bilby. Written by Pauline Reilly. Illustrated by Kayelene Traynor. Picture book for 3 to 8 years. Each book tells in story form the life history of an individual animal (National library of Australia, 2016).

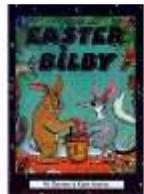
Bilby Secrets. Written by Edel Wignell; Illustrated by Mark Jackson. Non-fiction picture book for 3 to 9 years. The story depicts a young bilby's birth, habitat, behaviour and diet. When Baby Bilby is born, he is as long as your little toe. He crawls into his mother's warm pouch, where he feeds and grows. Baby Bilby is soon ready to leave the safety of the burrow. He follows his mother closely, sniffs the night air, and hops into the moonlight for his first desert adventure (Walker books Australia and New Zealand, 2015).



Amazing Facts about Australian Mammals. Written by Queensland Museum and Steve Parish. This book is packed full of information and you'll be amazed at how much you learn about Australia's mammals by dipping into the remarkable facts presented. It is to our astonishment we also learn that mammals today often had either giant or pygmy-sized ancestors millions of years ago! Full page spread on the Bilby (Parish, 2008).

- **Image of a Greater Bilby**, 'Macrotis lagotis'. Retrieved from (Scootle) <http://www.scootle.edu.au/ec/viewing/R9612/index.html> (ESA, 2015)

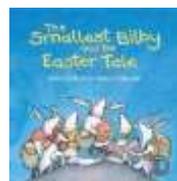
Fictional texts:



Easter Bilby. Written by Ali Garnett. Illustrated by Kaye Kessing. Picture book for 3 to 8 years. Easter Bunny is old and tired but who could do his job properly? His grandson Flash Rabbit only wants to be famous. Should Easter Bunny pass his job on to an introduced rabbit or to a native Australian? (Kessing, 2016)



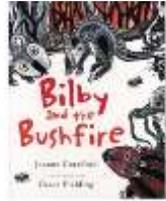
Easter Bilby's Secret. Written by Ali Garnett. Illustrated by Kaye Kessing. Picture book for 3 to 8 years. Easter Bilby has been given the job of delivering Easter eggs all around Australia. But Cat and Fox roam the country always on the hunt for tasty native creatures. How will Easter Bilby and his friends get the job done safely and on time? A clever plan is needed but Cat and Fox must not find out (Kessing, 2016).



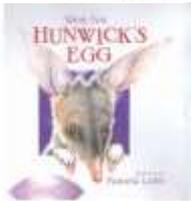
The Smallest Bilby and the Easter Tale. Written by Nette Hilton. Illustrated by Bruce Whatley. Picture book for 3 to 5 years. It's the night before Easter and for the first time Billy and his band of little bilbies must deliver the eggs. But when one of the bilbies gets into trouble, only Billy knows what to do (The little big book club, 2016).



Miss Bilby. Written by Colin Thiele, Illustrated by Mavis Stucci. Picture book 3 to 8 years. This tells the story of the bilby who leads a peaceful life, until the feral animals take over. A sanctuary is finally made for the endangered species, and they begin to rebuild their lives (Trove National library of Australia, 2016).



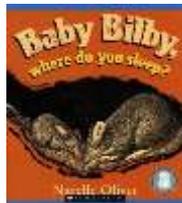
Bilby and the bushfire. Written by Joanne Crawford; illustrated by Grace Fielding. Picture book for primary school age. More adventures for Bilby as he and his friends are threatened by a raging bushfire as it threatens to destroy their home in the bushland (National library of Australia, 2016).



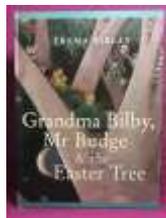
Hunwick's Egg. Written by Mem Fox; illustrated by Pamela Lofts. Picture book 4 to 9 years. When a mysterious egg appears outside Hunwick's burrow, no one is quite certain what to think. And when it doesn't hatch right away, everyone is even more bewildered. Everyone except Hunwick, that is. Hunwick understands that the egg is his friend, and he is the only one who knows its secret (Fox, 2016).



Bilby Moon. Written by Margaret Spurling; illustrated by Danny Snell. Picture book 4 to 8 years. Each night Little Bilby looks up to greet the moon and each night the moon looks down and smiles. One night the moon doesn't smile. Little Bilby is concerned as the full moon has begun to disappear and goes on a search for the missing piece, asking everyone she meets for their help, including Sand-dragon, Hopping Mouse and Boobook Owl (Australian Picture Books, 2016).



Baby Bilby, Where do you sleep? Written by Narelle Oliver. Picture book 4 to 6 years. Take a peek through the peepholes and discover the secret hiding places of baby bilby and other Australian desert creatures (Oliver, 2011).



Grandma Bilby, Mr Budge and the Easter Tree. Written and illustrated Irena Sibley. Picture book 5 to 9 years. When it's time to deliver the Easter eggs again, Grandma Bilby gets some unexpected help from the possums in the park. Mr Budge the hamburger man joins in the fun and soon the whole town is celebrating! (Fishpond, 2016).

Activities:

- **See existing resources**

Information Communication Technologies

Websites:

- **Kaye Kessing:** <http://www.kayekessing.com/> (teacher resource to purchase Bilby related books, novels, posters)
- **Bilby Blog:** <http://www.kayekessing.com/bilbys-blog> (information on the Bilby with the ability to ask questions)

Video:



Vulnerable Bilbies can be seen at Taronga Zoo.

Informative video presentation from a senior keeper about the conservation and care of bilbies. Taronga Sydney. (2010, August, 31). *Vulnerable Bilbies can be seen at Taronga Zoo*. Retrieved from <https://youtu.be/vlzEHTEPy7Q>



Bilby Joeys at Perth Zoo

Perth Zoo. (2012, September, 10). *Bilby Joeys at Perth Zoo* [video file]. Retrieved from <https://youtu.be/5FUKn9LuYXk>



Baby Bilbies at Adelaide Zoo

Zoos SA. (2009, January, 28). *Baby Bilbies at Adelaide Zoo* [video file]. Retrieved from <https://youtu.be/0D4iJj8tNAI>

Games and webquests:



The Night of the Bilby's Stay Safe Food Hunt.

Interactive game identified by the provider as grade 1

<http://splash.abc.net.au/home#!/media/1497559/bilby-food-hunt-keep-safe->

- **The night of the Bilby: Find food.** Retrieved from Scootle <http://www.scootle.edu.au/ec/viewing/L896/index.html> (ESA, 2015).
- **Australian Animals** (25 digital curriculum resources is organised into four categories - communities of Australian animals, animals in art and stories, vertebrates and invertebrates). Retrieved from Scootle <http://www.scootle.edu.au/ec/viewing/R10702/index.html>

Unit plans and lessons

- **The Smallest Bilby and the Easter Tale** teacher notes: http://www.workingtittlepress.com.au/teachers_notes.html
- **Bilby Moon** teacher notes: http://www.workingtittlepress.com.au/teachers_notes.html
- **Baby Bilby English** teacher notes: www.education.nt.gov.au/_data/assets/pdf_file/0020/.../baby_bilby.pdf
- **The Smallest Bilby and the Easter Games** - Book Study Printables (engaging activities directly linked to the picture book and the Australian Curriculum for English) resource: <https://www.teacherspayteachers.com/Product/The-Smallest-Bilby-and-the-Easter-Games-Book-Study-Printables-1150059>
- **Baby Bilby** unit [ESL]: Retrieved from (Scootle) http://www.education.nt.gov.au/data/assets/pdf_file/0020/5258/baby_bilby.pdf
- **Primary Connections Schoolyard Safari** unit: Students explore small animals leading to a better understanding of how their adaptations help them survive in their habitats. Retrieved from <https://primaryconnections.org.au/resource/unit-resources/schoolyard-safari> (AAoS, 2016).

Creative Arts

Music:

- **Identified gap in available resources**

Art and Craft:

- **Bilby Mask**

www.forteachersforstudents.com.au/site/wp.../pdfs/tmpl-bilby-mask.pdf

Role play:

- **Identified gap in available resources**

Experiences

Field Trips:



Adelaide Zoo learning experiences

Learning experiences for all age groups, linked to the curriculum.

<http://www.zoossa.com.au/zoo-learning-programs/>



Bunyaville Environmental Education Centre, programs for all year levels & curriculum links & risk assessment info.

<http://www.bunyavileec.eq.edu.au/programs/easter-bilby-adventure/easter-bilby-adventure.html>

School visits:

- **See existing resources**

