



Teacher Resource Pack

Grade 2

Subject: Science			
Achievement Standard:			
By the end of Year 2, students describe changes to objects, materials and living things.			
Strand	Sub-Strand	Content Descriptor	Elaborations
Science Understanding	Biological Sciences	Living things grow, change and have offspring similar to themselves (ACSSU030)	<ul style="list-style-type: none"> Recognising that living things have predictable characteristics at different stages of development Exploring different characteristics of life stages in animals such as egg, caterpillar and butterfly Observing that all animals have offspring, usually with two parents
Science as a Human Endeavour	Nature and Development of Science	Science involves observing, asking questions about, and describing changes in, objects and events (ACSHE034)	<ul style="list-style-type: none"> Describing everyday events and experiences and changes in our environment using knowledge of science
	Use and Influence of Science	People use science in their daily lives, including when caring for their environment and living things (ACSHE035)	<ul style="list-style-type: none"> Monitoring information about the environment and Earth's resources, such as rainfall, water levels and temperature Identifying the ways humans manage and protect resources, such as

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			<p>reducing waste and caring for water supplies</p> <ul style="list-style-type: none"> Recognising that many living things rely on resources that may be threatened, and that science understanding can contribute to the preservation of such resources.
Science Inquiry Skills	Questioning and Predicting	Pose and respond to questions, and make predictions about familiar objects and events (AC SIS037)	<ul style="list-style-type: none"> Thinking about ‘What will happen if...?’ type questions about everyday objects and events
	Planning and Conducting	Participate in guided investigations to explore and answer questions (AC SIS038)	<ul style="list-style-type: none"> Researching with the use of simple information sources Sorting objects and events based on easily identified characteristics
	Processing and Analysing Data and Information	Use a range of methods to sort information, including drawings and provided tables and through discussion, compare observations with predictions (AC SIS040)	<ul style="list-style-type: none"> comparing and discussing, with guidance, whether observations were expected sorting information in provided tables or graphic organisers
	Communicating	Represent and communicate observations and ideas in a variety of ways (AC SIS042)	<ul style="list-style-type: none"> presenting ideas to other students, both one-to-one and in small groups discussing with others what was discovered from an investigation

Literacy

Factual texts:

- **Identified gap in resources**

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:

- **Identified gap in resources**

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/>

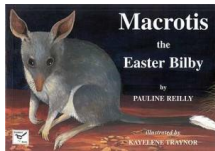
School visits:

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

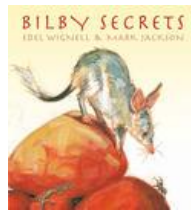
Recommended resources (Grade 2)

Literacy

Factual texts:

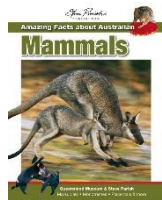


Macrotis the Easter Bilby. Written by Pauline Reilly. Illustrated by Kayelene Traynor. Picture book for 3 to 8 years. Each book tells in story form the life history of an individual animal (National library of Australia, 2016).



Bilby Secrets. Written by Edel Wignell; Illustrated by Mark Jackson. Non-fiction picture book for 3 to 9 years.

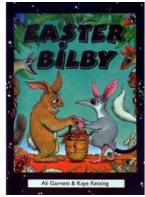
The story depicts a young bilby's birth, habitat, behaviour and diet. When Baby Bilby is born, he s as long as your little toe. He crawls into his mother s warm pouch, where he feeds and grows. Baby Bilby is soon ready to leave the safety of the burrow. He follows his mother closely, sniffs the night 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).

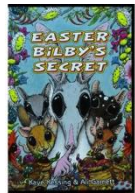
- **Image of a Greater Bilby, 'Macrotis lagotis'.** Retrieved from (Scoutle) <http://www.scoutle.edu.au/ec/viewing/R9612/index.html> (ESA, 2015)

Fictional texts:



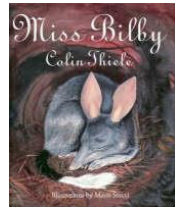
Easter Bilby. Written by Ali Garnett. Illustrated by Kaye Kessing. Picture book for 3 to 8 years.

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)

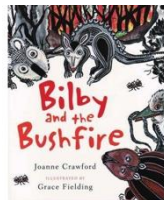


Easter Bilby's Secret. Written by Ali Garnett. Illustrated by Kaye Kessing. Picture book for 3 to 8 years.

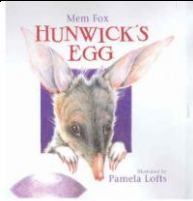
Easter Bilby has been given the job of delivering Easter eggs all around Australia. But Cat and Fox roam the country always on the hunt for tasty native creatures. How will Easter Bilby and his friends get the job done safely and on time? A clever plan is needed but Cat and Fox must not find out. (Kessing, 2016).



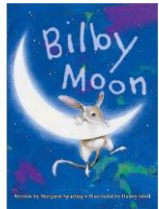
Miss Bilby. Written by Colin Thiele, Illustrated by Mavis Stucci. Picture book 3 to 8 years. This tells the story of the bilby who leads a peaceful life, until the feral animals take over. A sanctuary is finally made for the endangered species, and they begin to rebuild their lives (Trove National library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



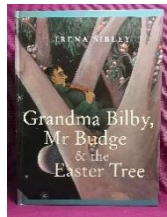
Bilby and the bushfire. Written by Joanne Crawford; illustrated by Grace Fielding. Picture book for primary school age. More adventures for Bilby as he and his friends are threatened by a raging bushfire as it threatens to destroy their home in the bushland (National library of Australia, 2016).



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).



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)



Greater Bilby Taronga Zoo

Taronga Zoo (2008) *Greater Bilby*. Retrieved from <https://taronga.org.au/animal/greater-bilby>

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/vIzEHTEPy7Q>



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:

- **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

- **Baby Bilby English** teacher notes: www.education.nt.gov.au/data/assets/pdf_file/0020/.../baby_bilby.pdf
- **Bilby Moon** teacher notes: http://www.workingtitlepress.com.au/teachers_notes.html
- **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: Watch it Grow**. It provides opportunities for students to explore the growth of a range of living things and explore the processes of growth and change, of reproduction and death that apply to all animals. Retrieved from <https://primaryconnections.org.au/resource/unit-resources/watch-it-grow> (AAoS, 2016).

Creative Arts

Music:

- **Identified gap in available resources**

Art and Craft:

- **Identified gap in available resources**

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**