



Ngoolarks Forever

Topic 2: Carmichael's Journey

Photo by Molly Spaulding

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Management Project***

This is a Carnaby's Cockatoo

A Noongar name
Ngoolark

Scientific name
Zanda latirostris



Habitat

- All animals need **habitat** to survive.
- What is habitat?
- What does habitat provide



Photo by Karen Riley

Habitat

- Habitat is the natural home of an animal.
- Habitat provides:
 - **Food,**
 - **Water, and**
 - **Shelter.**



Photo by Karen Riley

Photo by Molly Spaulding



Photo by Molly Spaulding



Photo by Karen Riley



Carnaby's Cockatoo
need different habitat at
different times

- Breeding (nesting) habitat
- Foraging (finding food) habitat
- Roosting habitat

Breeding Habitat

Ngoolarks live in eucalypt woodlands with **tree hollows** for breeding between July to December.



Photo by Zoe Kissane



Photo by Molly Spaulding

Carnaby's Cockatoo Chicks

Baby Carnaby's Cockatoo are usually born in a **nest** in the hollow of a tree, and that is their **home** until they have 'fledged' and are ready for **flight**. Their mother and her **mate** fly with them and **lead** them to the coastal feeding grounds, and back to the breeding habitat the next year.



Photo by HBI



Photo by Anna

Non-breeding Habitat

Ngoolarks are seen **flying** through the **sky** to coastal areas from January to July.

There is more **water** to drink, and more **nuts** and **seeds** to eat in these areas so it is better for foraging.



Photo by Molly Spaulding



Photo by Karen Riley



Habitat Loss

Unfortunately, because humans have cleared so much nesting and feeding habitat sometimes a Carnaby Cockatoo family can return to an area to find that their home is **gone**.

Loss of habitat is one of the reasons the Ngoolark is endangered

Now have a go at the worksheet & word search!

Ngoolarks Forever: Carnabys Cockatoo Cloze



Complete the sentences to make the list of words hidden in the word search.

All animals need _____ to survive. Habitat provides _____, water and shelter. Some animals like the Carnabys Cockatoo need different habitat at different times. The Noongar name for Carnabys Cockatoo is Ngoolark. Ngoolarks live in eucalypt woodlands with _____ hollows for breeding between July to December, but are seen _____ through the _____ to coastal areas between January and July because there is more _____ to drink, and more _____ and _____ to eat.

Baby Carnaby Cockatoos are usually born in a _____ in the hollow of a tree, and that is their _____ until they have 'fledged' and are ready for _____. Their mother and her _____ fly with them and _____ them to the coastal feeding grounds, and back to the breeding habitat the next year.

Unfortunately, because humans have cleared so much nesting and feeding habitat sometimes a Carnaby Cockatoo family can return to an area to find that their home is _____. Loss of habitat is one of the reasons the Ngoolark is endangered.

Missing words:



Ngoolarks Forever: Carnabys Cockatoo Cloze Word Search

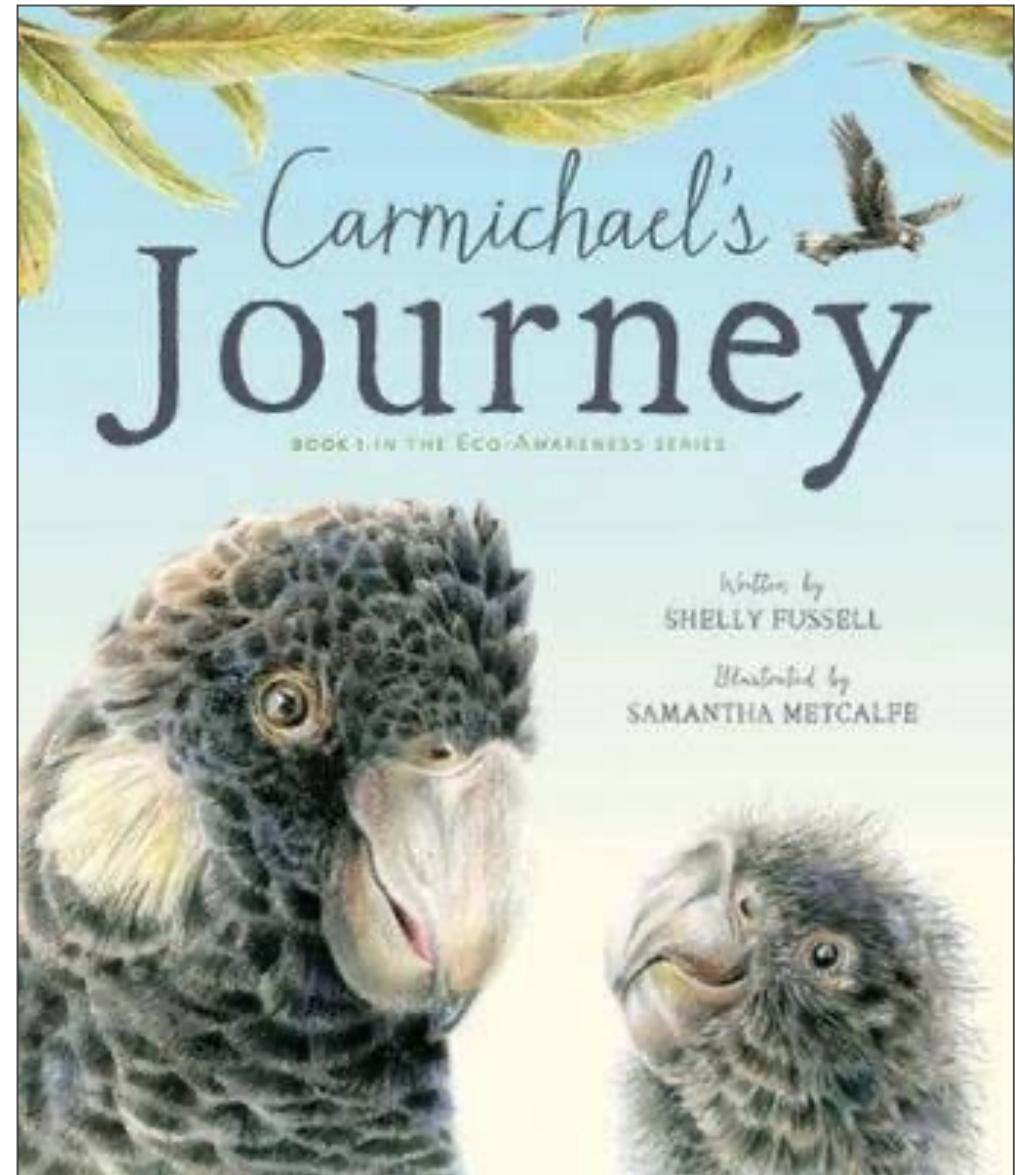


S	M	G	A	F	V	L	T
F	A	O	H	O	M	E	R
L	T	N	A	O	E	A	E
Y	E	E	B	D	N	D	E
I	F	L	I	G	H	T	G
N	E	S	T	O	S	K	Y
G	O	W	A	T	E	R	L
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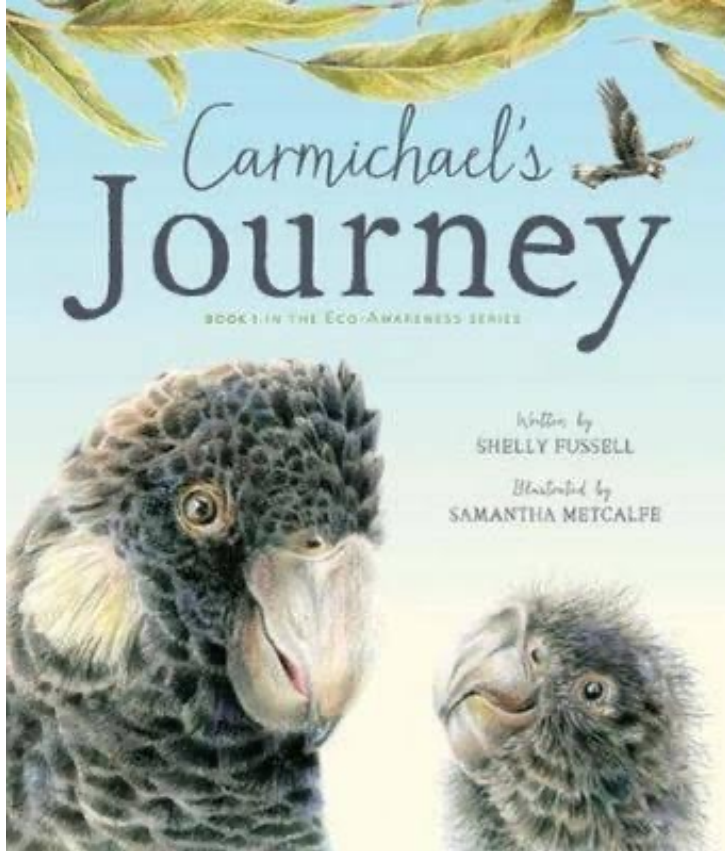
Once you have found and coloured in all the words, write down the *spare letters* and find the two hidden words

Hidden words: _____

Read together



Comprehension



Answer the worksheet questions in full sentences.

Carmichael's Journey

Read the story 'Carmichael's Journey' by Shelley Fussell, and then answer the questions below using full sentences and punctuation.



1. When the Carnaby's Cockatoos flew to their usual coastal feeding grounds what did they discover?

2. What type of trees do Carnaby's Cockatoos like best?

3. What happened to Carmichael's father on the journey to find a new home?

4. Why won't Carmichael have any more brothers or sisters?

5. What special requirements do the Carnaby's Cockatoos need for their nesting?


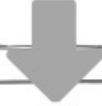



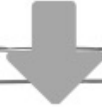

6. What have humans done that has caused the Carnaby's Cockatoos to become endangered?

7. What can humans do to help protect Carnaby's Cockatoos like Carmichael?

Carmichael's Journey Recount Planner

Test Your Memory

- Use the recount planner to re-tell the main parts of the story in your own words.
- Draw your own pictures in the boxes.

First _____ _____ _____ _____	
Then _____ _____ _____ _____	 
Next _____ _____ _____ _____	 
Last _____ _____ _____ _____	 

What is the message?

- What do you think the message from the story is?
- Write a persuasive text to convince someone that Carnaby's Cockatoos should be protected?

PERSUASIVE TEXT PLANNER

We Should Protect Carnaby's Cockatoos

Introduction

Main Reason 1

Main Reason 2

Main Reason 3

Fact/Example

Fact/Example

Fact/Example

Conclusion

What can we do?

- **Change ‘net loss’ of habitat to ‘net gain’, by planting more food trees and protecting what’s left**
- Plant black cockatoo food trees in your garden (e.g. banksia, hakea, macadamia)
- Get involved in council-run planting days to plant more food for black cockatoos
- Become a Citizen Scientist! - join the Birdlife Australia annual [“Great Cockey Count”](#)
- Report injured black cockatoos to the rescue service at Kaarakin Black Cockatoo Conservation Centre or DBCA’s wildlife helpline
- Learn more about black cockatoos
- Write to your council and Ministers and ask them to save Carnaby’s Cockatoo by protecting their habitat



Photo by Zoe Kissane

Kahoot!

Test your class knowledge with this
Carnaby's Cockatoo Quiz

<https://create.kahoot.it/share/carnaby-s-cockatoo-quiz/6c6a1cba-347a-4757-8bc5-2e008d6034fc>

Ngoolarks Forever: Keep Carnaby's Flying



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Photo by Molly Spaulding