



All animals need **HABITAT** to survive. Habitat provides **FOOD**, 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 **TREE** hollows for breeding between July to December, but are seen **FLYING** through the **SKY** to coastal areas between January and July because there is more **WATER** to drink, and more **NUTS** and **SEEDS** to eat.

Baby Carnaby Cockatoos 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.

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.

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Management Project***



A year in the life of a Carnaby's Cockatoo

What do Carnaby Cockatoos need to survive?

- Make a list of what you think they need over a year...

All animals need **HABITAT** to survive.

Ask students what habitat is? How would they explain habitat to another person.

ANS: Habitat is the natural home or environment of an animal, plant, or other organism.

As the students to list what habitat provides to help organisms survive

ANS: Habitat provides **food**, water and shelter.

Habitat

- All animals need habitat to survive.
- Habitat is the natural home or environment of an animal, plant, or other organism.
- Habitat provides:
 - **Food,**
 - **Water,** and
 - **Shelter.**



Image © Karen Riley



All animals need **HABITAT** to survive.

Habitat is the natural home or environment of an animal, plant, or other organism.

Habitat provides **FOOD**, water and shelter.

Some animals need different habitat at different times

Turtles:

- Live in the water most of the time, but
- Need dry land to lay eggs.



Carnabys Cockatoos need:

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



Some animals need different habitat at different times

The Noongar name for Carnaby's Cockatoo is Ngoolark.

Carnabys Cockatoo

Noongar name

Ngoolark

Scientific name

Zanda latirostris



MU Murdoch
University



NGANGK YIRA
INSTITUTE FOR CHANGE

Harry Butler
Institute



Image © Molly Spaulding

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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.



Breeding Season
(July - December)

Ngoolarks need eucalypt woodlands with **tree** hollows

Baby Carnaby Cockatoos are usually born in a **nest** in the hollow of a tree, that hollow is their **home** until they have 'fledged' (are ready for **flight**).

Image © Anna

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Baby Carnaby Cockatoos 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.

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.

Time to fly!

When baby Ngoolarks have 'fledged' and are ready for **flight**, their mother and her **mate** fly with them and lead them to the coastal feeding grounds.



Image © Zoe Kissane



Image © Molly Spaulding

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Non-breeding Season (January to July)

Ngoolarks are seen **flying** through the **sky** to coastal areas at this time

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

At the end of this season the parents will lead young Ngoolarks back to the breeding habitat.



Image © Molly Spaulding



Image © Karen Riley



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Roosting

In both breeding and non-breeding season Ngoolarks still need **habitat** for roosting.

Image © Karen Riley

Preening

Cockatoos are very social bird and can often be seen grooming (or preening) each other.

Allopreening is where one cockatoo will preen another.

This behavior is a form of social bonding.

Even though they have very large and powerful beaks they are incredibly gentle with them. You can really see the attachment between individuals,





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

Fill in the gaps

Use your new knowledge to fill in the spaces on this worksheet with the right words?

Write the words onto the spaces below and use them as the list for the word search on the next page.



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:



Some animals like the Carnabys Cockatoo need different habitat at different times.

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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
A	N	U	T	S	R	K	S

Find the hidden words

- Use your word list to find and colour in the letters of the list words.
- When you have found all the words use the left over letters to discover the hidden message.

 Once you have found and coloured in all the words, write down the spare letters and find the two hidden words

Hidden words: _ _ _ _ _



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>



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