

Keep Carnaby's Flying – Ngoolarks Forever

Topic 4 Lesson Plan

Lesson T4.1 (y7-9 HASS) Ngoolarks & the New World: Mapping impact of changing landuse

- Exploring impacts of changing land use in the context of the Carnaby's Cockatoo.
- Suitable/adaptable for Years 7 – 10 (HASS)

Resources

- NF-T4P y7-10 Ngoolarks and the New World.pdf Slides for projection
- NF-T1R Fact-sheet-Carnaby's.pdf Fact Sheet
- NF-T4R y7-10 Writing the Wheatbelt (full article) Resource
- Websites
<https://blackcockatoorecovery.com/cockatoos-and-animals/black-cockatoos/Carnaby's-cockatoo/>

Lesson Plan

- Project the presentation and go through the first 14 slides together. Stop at slide 14 “Do you think European settlement might have had an impact on the Carnaby's Cockatoo”
- Ask the students to quickly write down their opinion on a slip of paper, then collect the papers before asking them to share their opinion with their group. They need to be able to *explain* their reasons for their opinion (why or why not). *Suggested time 5-8 minutes.*
- Teacher facilitated class discussion:
Bring the class back together and ask groups to share their ideas.
- When you are ready to move on say ‘lets find out’ and show slide 16.
Ask the students if they know the word used to describe decreasing numbers of an animal.
- Show slide 17 – ‘The impact is population decline’
Look at slide 18 and then slide 19 together (you may want to print these for students to look at simultaneously).
- Ask student to address the questions on slide 20:
 - How do the sources relate to each other?
 - Can you work out from the maps what proportion of the Carnaby's Cockatoo habitat has been cleared?
 - How would this influence the Cockatoo?
 - Why was it cleared, and what might the timeline tell us about what was happening in Australia at the time?
- You can allow more or less time depending on your students. Once you are happy with their progress read slides 21 & 22 together to consider the historical context of the land clearing and its purpose.
- If time allows continue to explore concept of habitat fragmentation and the policy options to manage for conservation at the 5 government levels listed on slide 27.



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Sources:

Johnstone, R. E., Johnstone, C., & Kirkby, T. (2011). Black Cockatoos on the Swan Coastal Plain. *Report for the Department of Planning, Western Australia*. Accessible online at <https://museum.wa.gov.au/sites/default/files/Black%20cockatoos%20on%20Swan%20Coastal%20Plain%20DOP%202011-09-27%20amended.pdf>

Or through WA Museum at

<https://library.museum.wa.gov.au/fullRecord.jsp?recnoListAttr=recnoList&recno=56045>

Hughes-D'Aeth, T. (2017). Writing the WA wheatbelt, a place of radical environmental change. *The Conversation*. Accessible online at:

<https://theconversation.com/writing-the-wa-wheatbelt-a-place-of-radical-environmental-change-76567>

