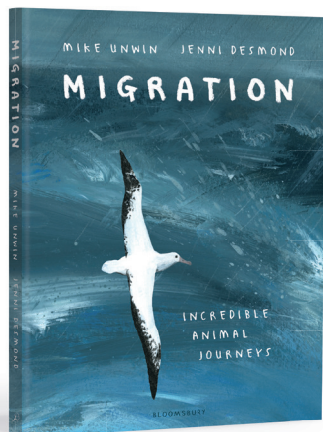


TEACHERS' GUIDE: MIGRATION

WRITTEN BY MIKE UNWIN
ILLUSTRATED BY JENNI DESMOND



DESCRIPTION



Animals of all shapes and sizes make epic journeys across our planet through harsh weather and avoiding hungry predators in their efforts to survive. Travel around the globe with some of the world's most incredible animals and discover their unique migration stories.

Follow the emperor penguin through snow, ice and bitter temperatures; watch as the great white shark swims 10,000 km in search of seals; track huge herds of elephants on their yearly hunt for water and be amazed at the millions of red crabs migrating across Christmas Island.

With stunning colour illustrations, uncover the astonishing migrations of 20 creatures in this truly inspiring narrative. Written by Mike Unwin, a UK Travel Writer of the Year, and illustrated by Jenni Desmond, winner of the New York Times Best Illustrated Children's Book, prepare yourself for a journey like no other.

Follow the amazing migrations of these 20 creatures: Arctic tern, barn swallow, bar-headed goose, ruby-throated hummingbird, osprey, wandering albatross, whooping crane, emperor penguin, African elephant, blue wildebeest, caribou, straw-coloured fruit bat, humpback whale, green turtle, Southern pilchard, Pacific salmon, great white shark, monarch butterfly, globe skimmer dragonfly, Christmas Island red crab

AUTHOR BACKGROUND

Mike Unwin has migrated all over the world in search of wildlife. Author of more than 30 books on the subject for both adults and children, including *Bird Encyclopedia* (Bloomsbury) and *Southern African Wildlife* (Bradt), he is also a regular contributor to publications such as *BBC Wildlife* and *RSPB Nature's Home*. In 2013, Mike was voted UK Travel Writer of the Year by the British Guild of Travel Writers.

ILLUSTRATOR BACKGROUND

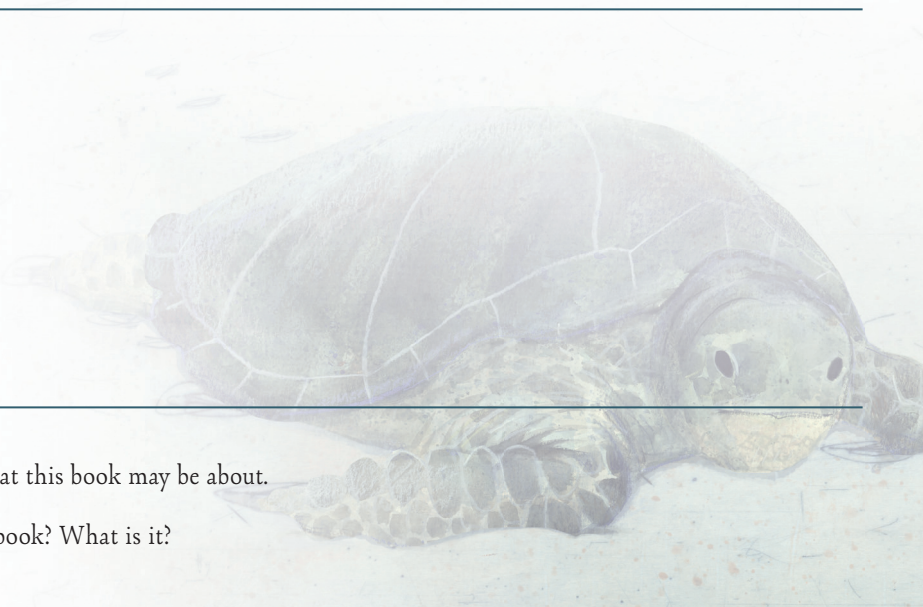
Jenni Desmond attended the Cambridge School of Art Masters Degree in Children's Book Illustration and her debut *Red Cat, Blue Cat* won the Cambridgeshire Read it Again! award in 2012. Her books have been translated into over a dozen languages since and in 2015 Desmond was named Best Emerging Talent (Illustrator) at the Junior Design Awards (UK). In 2016 she was made a Maurice Sendak Fellow and her book *The Polar Bear* became a New York Times Best Illustrated Children's Book. Her work is admired for its narrative and visual depth, being at once complex and simple. When Jenni is not in her studio, you'll find her cooking, cycling and looking for adventure.

THEMES

- Migration
- Habitats
- Survival
- The Environment
- Conservation/Sustainability

DISCUSSION TOPICS

- Before reading, examine the cover and discuss what this book may be about.
- Do you recognise the animal on the cover of the book? What is it?



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- Teachers: Pick an animal from the book and test students' knowledge of the animal. What do they eat? Where do they live? Who are their natural predators?
- Have you seen any of the animals in this book, either at the zoo or in the wild? Share your experiences with your class.
- What animal in the book do you find most interesting? Tell the class what you like or find interesting about it.

ANIMAL MIGRATION PATTERNS

- Which of the migratory journeys discussed in the book are near Australia and New Zealand (use the world map at the back of the book for help if you need it)?
- Do you know of any animals not mentioned in this book that have migratory journeys near Australia and New Zealand? If so, which animals?
- Animals migrate for different reasons. What are some of the reasons discussed in the book?
- What is your favourite migration story, and why?
- Animals face many obstacles as they migrate. What are some of these obstacles? What predators threaten some of the animals in this book?

HABITAT AND CONSERVATION

- Read pages 46 and 47. What are some ways that human activities negatively impact animal habitats?
- What are some ways humans can protect animals and their habitats?

ACTIVITY

Do some research in your school library or online about an animal that migrates through or near your country and share what you have learned with your class.

Some of the questions you can consider are:

- Why did you choose this animal?
- Why do they migrate?
- Where do they migrate from/to?
- How far do they travel?
- How long does their migration take?
- What is their habitat?
- What do they eat and how do they gather food?
- How big do they grow?
- Are there any threats to their survival?
- Are they endangered? If so, what is being done to help them and protect their habitat?



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ACTIVITY

Do further reading or watch a documentary about animal migrations (some suggestions below). What have you learned?

ENGLISH AND CREATIVE WRITING

Write a short story about your migration journey from the point of view of one animal in the book. Think about what you would hear, smell, see, taste and feel as that animal while you are on your journey.

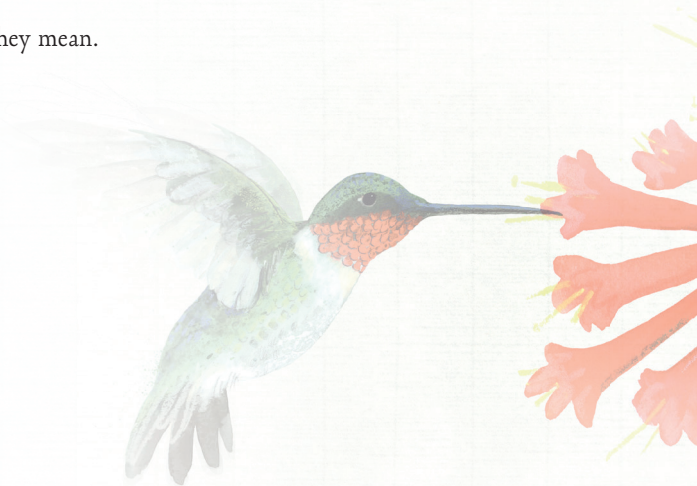
Choose an animal from the book. How would you feel if you encountered it in the wild? Write a story imagining this experience.

Write a poem about one of the animals in the book and their migration journey.

Write down three new words you have learned from the book. Explain what they mean.

Write down five new facts you have learned from the book.

- Write a book review of *Migration*. Try to answer some of these questions:
- What was the book about?
- Describe your favourite migration story. What did you learn from it?
- What did you like most in the book?
- Was there anything you did not like?
- Did you think the author did a good job telling the migration stories?
- Would you recommend this book to a friend?



GEOGRAPHY AND SCIENCE

Choose a region featured in the book and research that area. Include the country or continent name, the population, the terrain, a picture of the flag, an interesting fact about that region and a short paragraph about why you'd most like to visit.

Research an animal that migrates through or near your country. Draw or trace their migratory journey on a map or atlas.

Choose an animal from the book. Research how climate change may affect this animal and their habitat in the future. Write a paragraph about it.

Compare and contrast the migratory habits of two animals in the book. How are they similar? How are they different?

ART

Draw a picture of your favourite animal from the book. Label their distinguishing features.

Draw a picture of one of the habitats in the book and label the elements that make it unique.

Design a new cover for the book.

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FURTHER READING

- Circle by Jeannie Baker
- When Crabs Cross the Sand: The Christmas Island Crab Migration* by Sharon Katz Cooper
- When Whales Cross the Sea: The Gray Whale Migration* by Sharon Katz Cooper
- Swallow Journey* by Vivian French
- Desert Elephants* by Helen Cowcher
- Going Home: The Mystery of Animal Migration* by Marianne Berkes
- Following Papa's Song* by Gianna Marino

FURTHER RESOURCES

VIDEO

- Migrations – Big Animal Trips
<https://www.youtube.com/watch?v=hMAS4SdPj-w>
- National Geographic Kids – Christmas Island Crab Migration
<https://www.youtube.com/watch?v=xB74swq2LLI>

WEBSITES

- All About Birds – Basics of Bird Migration
<https://www.allaboutbirds.org/the-basics-how-why-and-where-of-bird-migration/>
- Kids Discover – Migrations
<http://www.kidsdiscover.com/spotlight/animal-migrations-for-kids/?wpss-routing=results>
- Kid Cyber – Humpback Whales
<http://www.kidcyber.com.au/humpback-whales/>
- National Geographic Kids – Animals
<https://www.natgeokids.com/au/category/discover/animals/>

GAMES

- PBS Kids – Migration Adventure
<http://pbskids.org/catinthehat/games/migration-adventure>
- RSPB – Migration Route Map
<https://www.rspb.org.uk/fun-and-learning/for-kids/games-and-activities/online-games-for-kids/migration-route-map/>
- National Marine Sanctuaries – The Migration Game (Humpback Whales)
https://sanctuaries.noaa.gov/whales/main_page.html