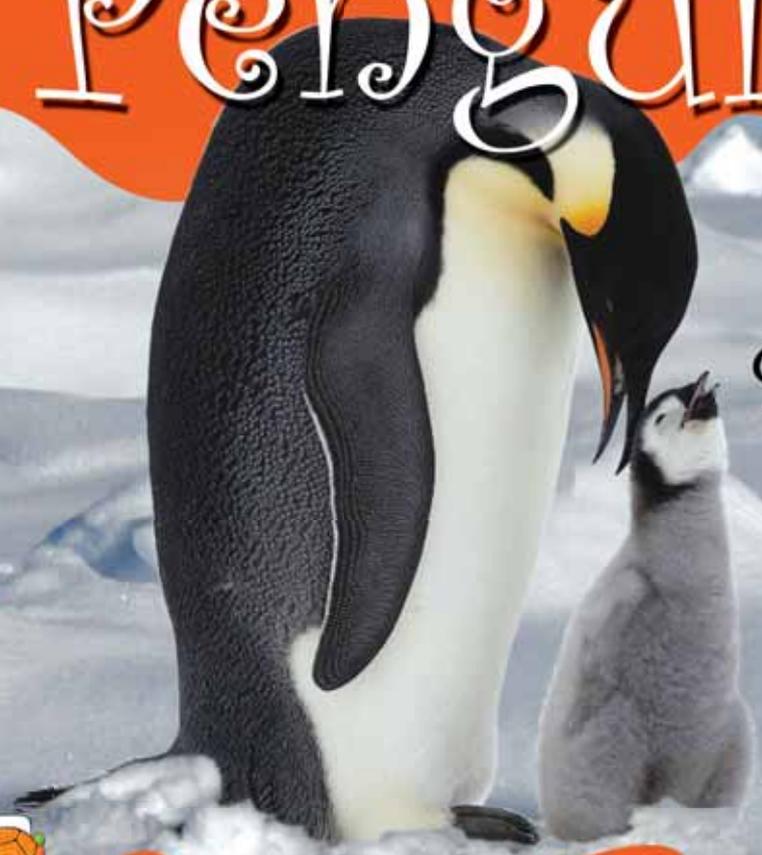


CIRCLE OF LIFE

Life cycle
of a
Penguin



of a



Grow with me



Terrapin



An imprint of The Energy and Resources Institute

© The Energy and Resources Institute, 2011

First published in 2011 by
The Energy and Resources Institute
TERI Press
Darbari Seth Block, IHC Complex, Lodhi Road,
New Delhi 110 003, India
Tel. 2468 2100/4150 4900, Fax: 2468 2144/2468 2145
India +91 ■ Delhi (0)11
Email: teripress@teri.res.in ■ Website: <http://bookstore.teriin.org>

ISBN 978-81-7993-240-7

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the publisher.

All export rights for this book vest exclusively with The Energy and Resources Institute (TERI). Unauthorized export is a violation of terms of sale and is subject to legal action.

Author: Vijita Mukherjee
Managing Editor: Anupama Jauhry
Series Editor: Arshi Ahmad
Technical Review: Dr Nandini Kumar
Creative Head: Priyabrata Roy Chowdhury
Design: Santosh Gautam
Colouring Artists: Neeraj Riddlan and Vijay Nipane
Image Research: Yukti Garg
Production Head: T Radhakrishnan
Prepress: R Ajith Kumar and M Alam

Printed and bound in India

This book is printed on recycled paper.

Life cycle of a Penguin



Grow with me



The Energy and Resources Institute

Daintily dressed

The penguin is one well-dressed bird. Take a look at its smart black coat and white shirt! But it cannot fly at all. It has strange wings called flippers, that help it in swimming.

Penguins spend some part of their life on land and some in the ocean waters.



TAKE CARE

Penguins are friendly and trusting birds. People who visit areas where penguins live should not alarm them. These gentle birds cannot fight back or run and hide.





Though penguins are great underwater swimmers, penguin chicks cannot swim. In fact, the little chicks do not enter the water till they are grown up. If they did, they would find it too cold, and their soft feathers would get all sticky and wet.

Then how do penguins grow into diving champs, who spend long hours in the sea?



Let's find out More...

Penguins cannot breathe under water. They can, however, hold their breath for as long as twenty minutes. That's how they remain under water for so long.

Living life

Different living beings have different kinds of life cycles. Some start as caterpillars and grow into butterflies. Some, like kangaroos, live in special pouches till they are big enough. Baby penguins hatch out of eggs, like any other bird.

Mother penguins walk towards the shore to lay eggs

Going off to feed after laying the eggs

Fathers going off to feed after incubation

Fathers keep the eggs warm in the meanwhile

Mother hatching her egg



TAKE CARE

If our earth becomes too hot, the ice-covered regions on our planet will melt, and the penguins will have no place to live.



Penguin eggs are white to bluish or greenish in colour. Some eggs are round, while others are shaped like pears. A nest of eggs is called a clutch. Usually, a clutch contains two eggs.

Let's find out **More...**

Penguins are found only in the southern hemisphere of the earth, especially Antarctica.



The mother comes back to hatch the eggs

Penguin parents feed their chick

Parental pet

Mother and father penguins swim for many miles across the cold sea to reach a special place called a 'rookery', where the eggs are to be laid. Once they reach the rookery, they jump up and out of the water. This must be the few times that penguins are actually in air! Then they waddle inland.

Let's find out More...

Penguins return to the same rookery that they were born on, to lay their eggs.



The rookery becomes home to several hundred penguins and gets rather crowded!

Some penguin fathers build homes before the mother arrives. Soon, the mother penguins lay eggs, which are white to greenish blue in colour.

King penguins are very vocal and cheerful at the rookery sites.



TAKE CARE

People visiting the penguin areas should be careful not to scare the birds away from their eggs. If an egg rolls away from the parents, it will not survive.

Close connect

After laying the egg, the mother penguin goes off for a meal. She has to swim really far to find food, so it may be fifteen days or more before she returns. During this time, the father penguin takes good care of the egg. He keeps it warm and sees that it doesn't roll off. Most fathers keep the egg safely on their feet and cover it with their warm body.



TAKE CARE

Sometimes, big ships carrying oil, spill it in the sea or ocean. The oil sticks to the feathers of the penguins, and this prevents them from flapping their wings and swimming freely.

Circle of Life : Life Cycle of a Penguin



Publisher : TERI Press

ISBN : 9788179932407

Author : Vijita Mukherjee

Type the URL : <http://www.kopykitab.com/product/8360>



Get this eBook