

Science Story Adventures



Penguins

Learning outcomes

- » Students know different animals inhabit different kinds of environments and have external features that help them thrive in different kinds of places. (Life sciences, Grade 1)
- » Plants and animals have predictable life cycles. (Life sciences, Grade 2)
- » Adaptations in physical structure or behavior may improve an organism's chance for survival. (Life Sciences, Grade 3)
- » Students know examples of diverse life forms in different environments, such as oceans. (Life sciences, Grade 3)

From: California State Board of Education's Science Content Standards

Books we read

Penguins, Penguins, Everywhere by Bob Barner
Turtle's Penguin Day by Valeri Gorbachev
Antarctic Antics by Judy Sierra

Activities we did

- » We looked at a replica of a penguin's egg and some real penguin eggshells.
- » We compared fluffy underfeathers to outer feathers.
- » We learned about the wingbands that the penguins in the Academy wear and what they mean.
- » We pretended to be an Emperor penguin carrying an egg on our feet - we used a hackysack to represent the egg.

Today's craft: Making a penguin



You will need:

- » Penguin template
- » Crayons - black, yellow, pink and orange
- » Googly eyes
- » Glue
- » Stapler
- » Double-sided tape
- » Scissors

Directions:

1. Color penguin body, feet, tail and wings. Remember which part is the face and the stomach. Use a book to see what different penguins look like or just make up your own.
2. Cut out penguin body and wings.
3. Fold feet and tail out.
4. Stick on googly eyes.
5. Staple down the front of the penguin body to make a cylindrical body.
6. Staple wings on.
7. Use double sided tape to stick penguin's chin down.

Adapted from The Kids' Natural History Book: Making Dinosaurs, Fossils, Mammoths and More! by Judy Press

Want to find out more?

Here is a selection of further resources to explore in the Naturalist Center, in the public library or at home. Please ask if you can't find what you're looking for.

Books

My Season with Penguins: An Antarctic Journal by Sophie Webb. Nat. Ctr. Juv. QL696 .S473 W422 2000.

This illustrated journal describes the two month stay in Antarctica to study and draw penguins.

Penguins and Antarctica by Mary Pope Osborne. Nat. Ctr. Juv. QL696 .S473 O73 2008.

A non-fiction companion to *Eve of the Emperor Penguin*, a book in the Magic Tree House series.

Pingüinos by Lynn M. Stone. Nat Ctr. Juv. QL696 .S473 S7518 1992

A Spanish language informational book on penguins.

The World of Penguins by Evelyne Daigle. Nat. Ctr. Juv. QL696 .S473 D34 2007.

Lots of information about penguins and their habitats.

DVDs

Penguins Under Siege. Nat. Ctr. Media QL696 .S473 P465 2005.

A look at the daily life of the African penguins - this is the species we have in the Academy.

March of the Penguins. Nat. Ctr. Media QL696 .S473 M36 2005.

The classic, sometimes intense, movie about Emperor penguins.

Websites

Animal Diversity Web. <http://animaldiversity.ummz.umich.edu/site/index.html>

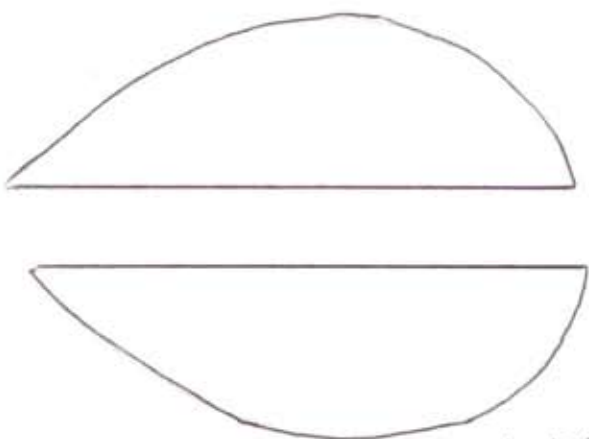
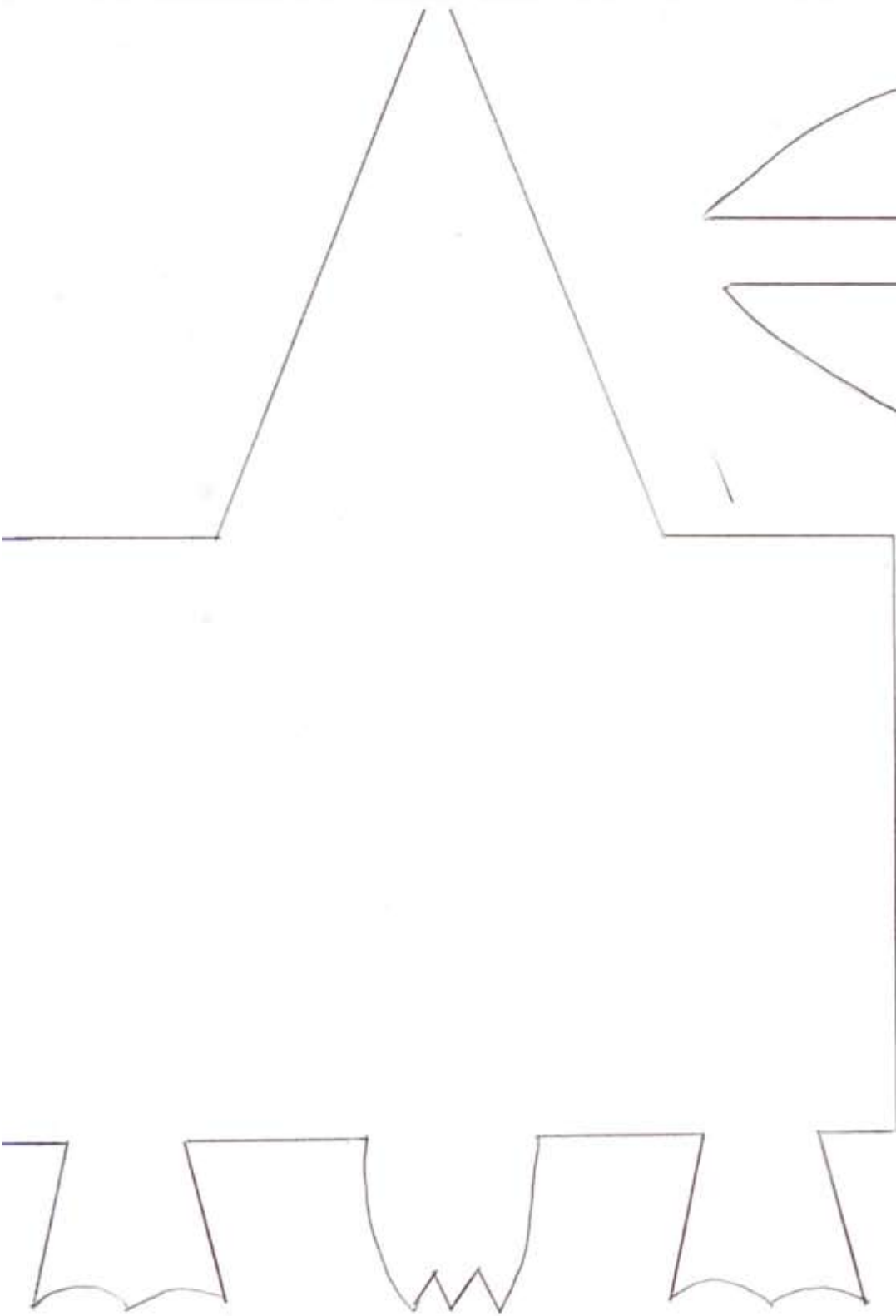
Detailed information about all 17 species of penguins.

KidZone: Penguins. <http://www.kidzone.ws/animals/penguins/index.htm>

Penguin facts, photos and activities.

National Geographic Kids. <http://kids.nationalgeographic.com/Animals/>

There are Creature Features on both Adelie Penguins and Emperor Penguins.



WINGS

PENGUIN
ART ACTIVITY
TEMPLATE