

have found their “mate” or “offspring.” The game is finished when all students have found their partners.

Yes, this activity is rather noisy, but so are penguin rookeries. The active nature of this game will engage students, and their interest in learning more about polar animal adaptations or life in Polar Regions will be piqued.

Activity:

For younger students—The teacher should divide the class into two groups of equal size. If the number of students is odd, the teacher may need to participate. One group is designated as the chicks and they must stay stationary. The second group represent the parents returning from the sea. They must move around the room. The rhythm is clapped out as the parents move around and try to find the matching clapping rhythm from the chicks. When they find each other, they stop clapping and stand together until all family groups have located their parents and chicks.

For older students—No designation of chicks and parents are given and all are moving around the room in search of their family group. To make it even more difficult, the rhythm is made by clicking the tongue instead of clapping. (This removes the visual clue of watching the clapping.)

For both groups—If some parents and chicks have not found each other after a reasonable time, ask everyone to stop making their family sound because there is a “poor lost chick.” Have the “lost chick” make its rhythm while the rest of the class listens carefully. If they have the same rhythm, they need to answer with it and the chick joins its family.

Discussion:

1. What did you find difficult about this game?
2. Why is this behavior important to penguins? What happens if a penguin is not very good at locating her chick, or a chick is poor at finding a parent?
3. Would you have survived as a penguin? Would most of your classmates?

Louise Huffman and
Nancy Pearson

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Navigating the ANDRILL Website

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ANDRILL webpages:

Home—the science: www.andrill.org

Education portal: www.andrill.org/education

C²S²: Climate Change Student Summit—

Environmental Literacy Framework and resource links

Flexhibit materials—*Antarctica's Climate Secrets*—posters, videos and activity book

Project Circle—connection to researchers and educators in the field—Ask a Scientist—Sun Shadows Project

Project Iceberg—blogs, images and videos

Antarctica: A Journey of Discovery—children's book on Antarctica—

www.andrill.org/publications