

The Cold Facts About Alaska's Arctic Animals

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Discipline / Subject: Science/Social Studies/Geography

Topic: Alaska's Arctic Animals

Grade Level: PK-4

Resources / References / Materials Teacher Needs:

To complement your study of Alaska's Arctic Animals create a concentration game and a bingo game. Download color copies of Arctic Animal Cards from www.bogglesworldest.com. Follow the instructions at the site that mixes the pictures for you to make the number of bingo cards you need by simply hitting the refresh button. Glue the card to poster board or card stock and laminate. To make a concentration game make two copies of one board, glue to poster board or card stock, laminate, and then cut out each piece. Make several sets, one for every four students.

These DVD's are terrific! *Alaska's Coolest Birds* and *Alaska's Coolest Animals*, both can be found at www.skyriver.com.

Lesson Summary:

During the study of Alaska's Arctic animals and where they live students will be able to tell the teacher one cold fact about each animal. A cold fact is anything that tells how these animals survive in such a harsh environment. Two facts, for example, that help the willow ptarmigan survive are that he turns white in the winter (his camouflage) and that he grows extra feathers in the winter, even on his feet (for warmth). This information is reviewed and reinforced by playing the Arctic Animal Memory Game and Arctic Animal Bingo.

Standards Addressed:

NS Science Content Standard C - As a result of activities in grades K-4, all students should develop understanding of

- The characteristics of organisms
- Life cycles of organisms
- Organisms and environment

Alaska state standards:

History/Social Studies G1&2 Student's compare and contrast relative location of people, places and things

Science C - Concepts of Life Science

2. A student who meets the content standard should develop an understanding of the structure, function, behavior, development, life cycles, and diversity of living organisms

Learning Objectives:

The student will:

- Review and reinforce animal identification by playing Arctic Animal Memory
- Review and reinforce animal names and

Method of Assessment for Learning:

- The teacher will assess each student. Students will be able to identify ninety percent of the animals studied and know

facts by playing Arctic Animal Bingo	at least one fact for each
Procedural Activities: <ul style="list-style-type: none"> • Animal names and facts will be reinforced and reviewed by playing Memory. When students turn over a card they must name the animal. When a match is made students name one fact about the animal. • Playing Arctic Animal Bingo reinforces animal identification. If a student has the animal called out on their card he/she must tell a cold fact about it. 	
Materials Students Need: Alaska's Arctic Animal Memory and Bingo games.	
Technology Utilized to Enhance Learning: www.bogglesworldesl.com www.enchantedlearning.com	
Other Information: Make a bulletin board featuring Alaska's Arctic Animals.	
Modifications for Special Learners/ Enrichment Opportunities Older students can make their own fact cards. Enlarge animal pictures from the Arctic Animal Cards, students cut them out and glue them on index cards. Students look up the cold facts about their animals from internet sites or books and write them on the back of the card.	