

Animals of the Arctic and Antarctic

Cindy Lamb
Waterman Elem.

First Name: Cindy	Last Name: Lamb
Email: clamb@harrisonburg.k12.va.us	
Give Credit To: Cindy Lamb	
Lesson Title: Animals of the Arctic and Antarctic	
School: Waterman Elementary School	Grade Level: 1
Is this a single lesson plan or a unit lesson plan? Single, but can be used in parts	
Select the primary curriculum: Science	
Target Grade Level: Primary (K-3)	
Primary SOL: Science 1.5, 1.7	
Secondary SOL: Science K.6, K.8, 2.7, 3.4	
Goal: Students will understand the harsh environment that arctic animals live in, how they adapt to that environment, what they eat, and the animal's characteristics.	
<p>Objectives:</p> <p>The students will understand that animals live in different environments.</p> <p>The students will learn that animals adapt to their environment by having different body characteristics.</p> <p>The student will learn what arctic animals eat.</p>	
Total Time Required to Complete Lessons:	Class Periods: 1 or 2
	Minutes Two 30-minute sessions
<p>Purpose:</p> <p>In addition to learning about arctic animals, students will become familiar with technology as another way to learn and assess information on the concepts they are studying in the classroom.</p>	
<p>Materials:</p> <p>Computer and projector</p> <p>"Animals of the Arctic and Antarctic" PowerPoint - click here to download the presentation</p>	
<p>Procedure:</p> <p>Introduction</p> <ul style="list-style-type: none"> - "What animals do you know of that live in the Arctic or Antarctic?" - "Let's learn about some of these animals." <p>Begin PowerPoint</p> <ul style="list-style-type: none"> - Cover slide 2-5. Stop and review information about penguins. (See Class Discussion Questions section for suggested questions for each animal.) - Show slide 6-8. Stop and ask questions about polar bears. - "On the next slide, we are going to learn a new word - piniped. Let's find out what a piniped is." - Show Slide 9. Stop and ask, "What is a piniped?" - Show slides 10-11. Stop and ask questions. - Show slides 12 - 13. Stop and ask questions. - Show slides 14 - 15. Stop and ask questions. <p>Do Extension Activity.</p>	

Observations:

For younger children, do the presentation at two different times for better participation.

Conclusions:

The children really liked the video clips of the animals and enjoyed seeing the "real" ones.

Extension:

Following the presentation or on another day, use the computer to write and draw a favorite arctic animal or make an arctic habitat and label the animals. Paint is a wonderful program to use for this.

Class Discussion Questions:

PENGUIN QUESTIONS: Where do penguins live? How many different species of penguins are there?

What can a penguin do very well? Can a penguin fly? What does a baby penguin eat?

POLAR BEAR QUESTIONS: Where do polar bears live? How many cubs does a polar bear usually have? How are male polar bears different than the female? Why does a polar bear have small ears?

PINIPED QUESTIONS: What is a piniped? Tell us something about a harbor seal. A walrus.

MOOSE/CARIBOU QUESTIONS: Where does a moose live? What does he eat? Do caribou live alone? How large can a caribou herd be? What do caribou eat?

MUSKOX QUESTIONS: Where do musk ox live? Are they oxen? What animal is the muskox related to?

Cautions and Concerns:

This lesson may tend to be lengthy for kindergarteners and first graders. Do in two sessions with less questions asked.