

# COLD-CLIMATE ANIMALS!

## COLD-CLIMATE ANIMALS

### LESSON PLAN

Week at a Glance:

Day One: Intro to Cold Climates

Day Two: Polar Bear

Day Three: Arctic Hare

Day Four: Emperor Penguin

Day Five: Arctic Wolf



## COLD-CLIMATE ANIMALS

### ARCTIC HARE RESEARCH

Directions: Use your resources to find more information about arctic hares. Fill in the information below.

ARCTIC HARES

By \_\_\_\_\_

Appearance: \_\_\_\_\_

Interesting Facts

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

area

HABITAT



## COLD-CLIMATE ANIMALS

### POLAR BEAR UNSCRAMBLE

Directions: Unscramble each word associated with a polar bear.

BBLUERB \_\_\_\_\_ 

ACTRCI \_\_\_\_\_

WRUALS \_\_\_\_\_

ASKLAA \_\_\_\_\_

CNARVREOI \_\_\_\_\_

PWAS \_\_\_\_\_ 

SLEAS \_\_\_\_\_

## COLD-CLIMATE ANIMALS

### Arctic Wolves

can

are



have

## COLD-CLIMATE ANIMALS

### VOCABULARY SQUARE

Word:

climate

Definition:

Sentence:

Picture:



## COLD-CLIMATE ANIMALS

### CLIMATE QUICK CHECK

What is a cold climate?

\_\_\_\_\_ in the world have cold

# A FIVE DAY UNIT ALL ABOUT ANIMALS THAT LIVE IN COLD CLIMATES!

Includes lesson plans, graphic organizers, craft ideas, projects, comprehension questions and more!

FROM YOUR FRIENDS AT

**az**  
ANIMALS

# COLD-CLIMATE ANIMALS

## LESSON PLAN

Week at a Glance:

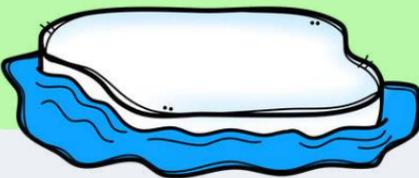
Day One: Intro to Cold  
Climates

Day Two: Polar Bear

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Day Four: Emperor  
Penguin

Day Five: Arctic Wolf



# COLD-CLIMATE ANIMALS



## LESSON PLAN

Day One: Intro to Cold Climates

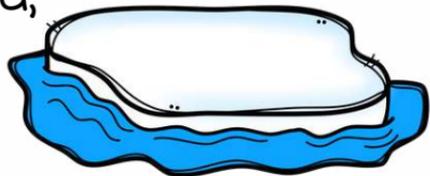
Objective: The students will be able to define "cold climate" and give examples of regions that have cold climates.



## LESSON PLAN: DAY ONE

Introduction (5 minutes):

\*Teacher Says: What is a climate?  
Climates are the weather conditions in a certain area or region over a long period of time. A cold climate is a region where temperatures are very low for the majority of the year. They usually have very cold, freezing winters and short, cool summers. Regions with cold climates include Antarctica, the arctic, Siberia, Northern Canada, Alaska, parts of Northern Europe like Greenland, Norway, Sweden, etc.



# COLD-CLIMATE ANIMALS

## Lesson (20 minutes):

\*The teacher will guide the students in completing the “Vocabulary Square” graphic organizer attached below. The students will define climate, use the word in a sentence, and draw a picture associated with the word.

\*The teacher will play the video, “Animals with Winter Coats” -

<https://www.youtube.com/watch?v=ON7FGPeykFE>

\*After the video, the teacher will discuss with the students various animals they may find in cold climates. The students will use the picture attached below to draw 3-5 animals they might find in cold-climates.

## Independent Work (10 minutes)

\*The students will complete the “Cold Climate Quick Check” comprehension questions attached below. The teacher will assess answers for understanding of the lesson.

## Closing (5 minutes)

\*The whole group will review answers to the Cold Climate Quick Check to assess for understanding.

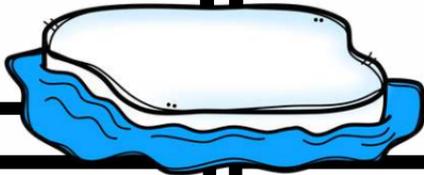
# COLD-CLIMATE ANIMALS

## VOCABULARY SQUARE

Word:

climate

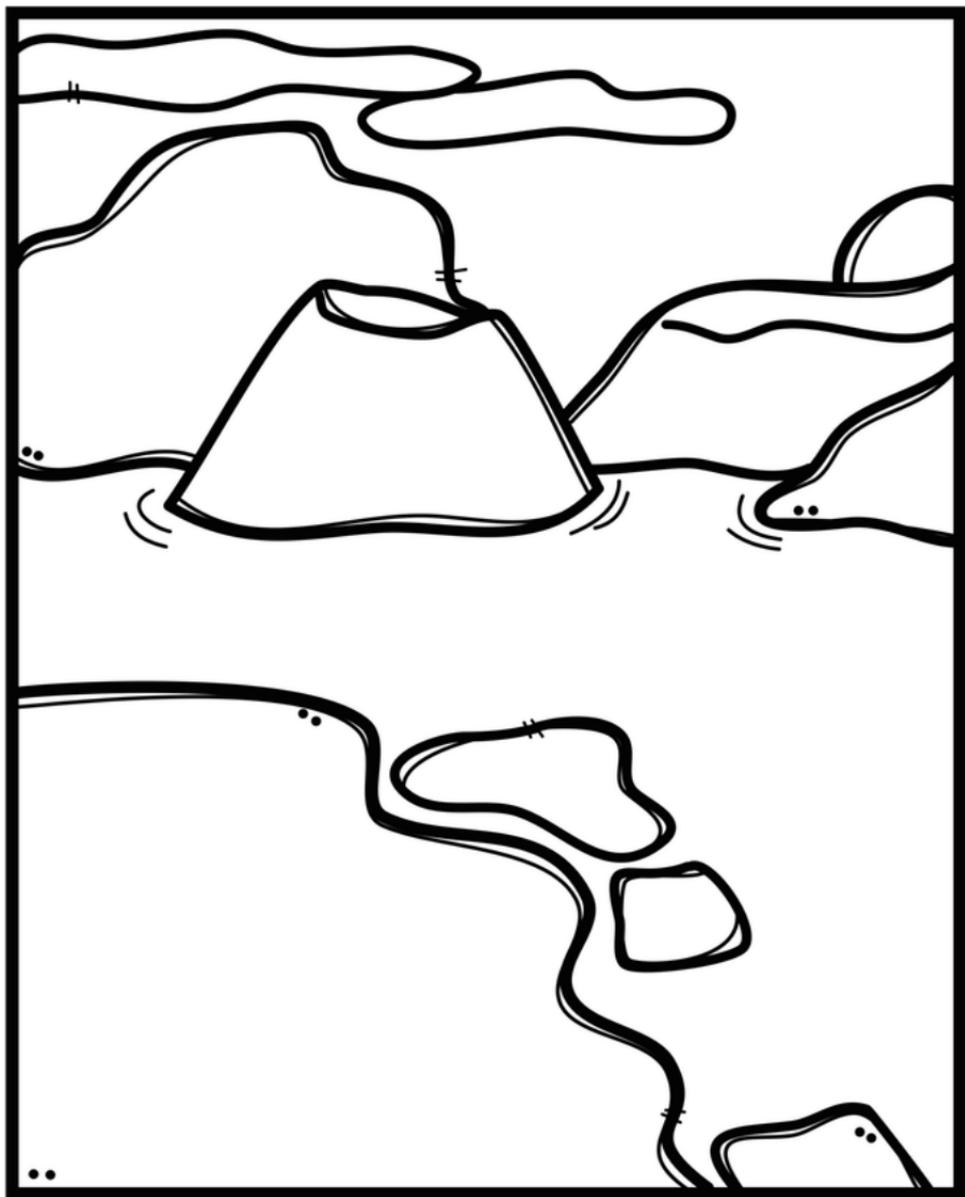
Definition:



Sentence:

Picture:

# COLD-CLIMATE ANIMALS



# COLD-CLIMATE ANIMALS

## CLIMATE QUICK CHECK

1. What is a cold climate?

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2. What areas in the world have cold climates?

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3. What kinds of animals live in cold climates?

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# COLD-CLIMATE ANIMALS

## LESSON PLAN



Day Two: Polar Bear

Objective: The students will be able to identify various characteristics of polar bears.

## LESSON PLAN: DAY TWO

Introduction (5 minutes):

Teacher Says: One example of a well-known cold climate animal are polar bears! What do you already know about polar bears? What would you like to learn? Polar bears live in the arctic usually around Alaska, Canada, Greenland and Russia. They are one of the largest land predators on Earth. Polar bears are very well equipped for cold climates! They have very thick fur, a layer of fat called blubber, and black skin to absorb heat from the sun. Polar Bears are carnivores, which means they eat meat - mainly seals!

# COLD-CLIMATE ANIMALS

## Lesson (15 minutes):

The teacher will show the video, "Polar Bear" from National Geographic Kids - <https://www.youtube.com/watch?v=XdCaBF8NJ00>.

\*After the video, students will turn to a partner. Each partner will discuss three things the students learned from the video!

\*In partners or small groups, the students will complete the "Polar Bear Unscramble" activity sheet attached below.

## Independent Work (10 minutes)

\*The students will research more about Polar Bears. They will utilize the "Polar Bear Research" activity sheet to record information. Students can extend the activity by creating a poster or writing a nonfiction writing piece.

## Closing (5 minutes)

\*The students will share with the class their "Polar Bear Research" activity sheets.

# COLD-CLIMATE ANIMALS

## POLAR BEAR UNSCRAMBLE

Directions: Unscramble each word associated with a polar bear.

B B L U E R B



A C T R C I

W R U A L S

A S K L A A

C N A R V R E O I

P W A S

S L E A S



# COLD-CLIMATE ANIMALS

## POLAR BEAR RESEARCH

Directions: Use your resources to find more information about polar bears. Fill in the information below.

**POLAR  
BEARS**

By:  
\_\_\_\_\_

Appearance

diet

HABITAT

Interesting Facts

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



# COLD-CLIMATE ANIMALS

## LESSON PLAN

Day Three: Arctic Hare

Objective: The students will be able to describe characteristics of arctic hares.



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## LESSON PLAN: DAY THREE

### Introduction (5 minutes):

\*Teacher Says: Today, we are going to learn about another type of animal that live in cold climates - arctic hares! An arctic hare is a white, furry mammal that are adapted to live and survive in freezing temperatures. They typically live in the arctic, especially Canada and Greenland. They look like rabbits, but they are actually a different species! Arctic hares are herbivores, which means they mainly eat plants including woody plants, moss, lichens, twigs and roots.

# COLD-CLIMATE ANIMALS

## Lesson (15 minutes):

\*The teacher will read, "Arctic Hares (Animals That Live in the Tundra)". Questions to ask during/after reading - Where do arctic hares live? What do they look like? Why do arctic hares eat? How do they find food in the snow if they mainly eat plants? How do they hide from predators?

\*The students will work in small groups to complete the "Fact or Fiction?" activity sheet attached below.

## Independent Work (10 minutes)

\*The students will research more about arctic hares. They will utilize the "Arctic Hare Research" activity sheet to record information. Students can extend the activity by creating a poster or writing a nonfiction writing piece.

## Closing (5 minutes)

\*The teacher will give each student a sticky note or index card. They will write three things they learned about arctic hares.

# COLD-CLIMATE ANIMALS

## FACT OR FICTION?

Directions: Color the facts in green. Color statements that are fiction in red.

Arctic hares eat meat.

They can run very quickly!

Arctic hares live in the arctic!

Arctic hares live in warm forests.

Arctic hares have white fur in the winter.

They mainly eat plants!

Arctic hares hibernate all winter.

Arctic hares are easy to catch.

# COLD-CLIMATE ANIMALS

## ARCTIC HARE RESEARCH

Directions: Use your resources to find more information about arctic hares. Fill in the information below.

### ARCTIC HARES

By: \_\_\_\_\_

Appearance

diet

HABITAT

Interesting Facts

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



# COLD-CLIMATE ANIMALS

## LESSON PLAN

Day Four: Emperor Penguins

Objective: The students will be able to describe characteristics of Emperor penguins.



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## LESSON PLAN: DAY FOUR

Introduction (5 minutes):

\*Teacher Says: Today, we are going to investigate more about another type of animal that lives in cold climates - Emperor penguins! What can you tell me about penguins? Did you know that Emperor penguins are the largest penguin species? They live in Antarctica, the coldest place on Earth! How do you think penguins are able to keep warm in such cold climates? They have a very thick layer of blubber, dense, waterproof feathers and huddle in large groups! They are also carnivores, mainly eating fish, krill & squid!

# COLD-CLIMATE ANIMALS

## Lesson (15 minutes):

\*The teacher will read, "Emperor Penguins (Penguin Young Readers, Level 3)" to the students. Questions to ask during/after reading - Where do Emperor penguins live? What do they look like? Why do they live in large groups? What are their groups called? What do emperor penguins eat? Why do they huddle together?

## Independent Work (10 minutes)

\*The students will research more about groundhogs. They will utilize the "Emperor Penguin Research" activity sheet to record information. Students can extend the activity by creating a poster or writing a nonfiction writing piece.

## Closing (5 minutes)

\*The students will share their "Emperor Penguin Research" activity sheets with the class or in small groups.

# COLD-CLIMATE ANIMALS

## PENGUIN RESEARCH

Directions: Use your resources to find more information about Emperor penguins. Fill in the information below.

### EMPEROR PENGUINS

By: \_\_\_\_\_

Appearance

diet

HABITAT

Interesting Facts

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



# COLD-CLIMATE ANIMALS

## LESSON PLAN



### Day Five: Arctic Wolves

Objective: The students will be able to describe characteristics about arctic wolves.



## LESSON PLAN: DAY FIVE

### Introduction (5 minutes):

\*Teacher Says: The last cold climate animal that we will be learning about are arctic wolves! Arctic wolves live in cold climates, mainly in Greenland and Canada. They live in an area called a tundra, which is a very cold, large, open region with few trees. How do you think arctic wolves stay warm in freezing temperatures? They have very thick, white fur, small ears to not lose heat, and fur on their paws to walk on snow and ice. Arctic wolves are also carnivores, mainly hunting caribou, ox, arctic hares, and small mammals.

# COLD-CLIMATE ANIMALS

## Lesson (15 minutes):

\*The teacher will show the video, "Arctic Wolf Pups on First Family Outing" - <https://www.youtube.com/watch?v=pxGBVBN92iE>

\*After the video, the teacher will guide the students in completing the "Arctic Wolves can, are, have" graphic organizer attached below.

## Independent Work (10 minutes)

\*The students will research more about arctic wolves. They will utilize the "Arctic Wolf Research" activity sheet to record information. Students can extend the activity by creating a poster or writing a nonfiction writing piece.

## Closing (5 minutes)

\*The students will share their "Arctic Wolf Research" activity sheets with the class or in small groups.

# COLD-CLIMATE ANIMALS

Arctic Wolves

can

are



have

# COLD-CLIMATE ANIMALS

## ARCTIC WOLF RESEARCH

Directions: Use your resources to find more information about arctic wolves. Fill in the information below.

**ARCTIC  
WOLF**

By:  
\_\_\_\_\_

Appearance

diet

HABITAT

Interesting Facts

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

