

Arctic Animal Lesson Plan

Teacher: Carly Burton

Title: Arctic Paper Mache Animals

Grade Level: 4th Grade

Brief History/ Background:

Antarctica is Earth's southernmost continent. It is surrounded by the Southern Ocean. While the population of Antarctica is small due to its cold and windy climate, the animal population in Antarctic is much larger. Some animals you might find in this region include penguins, blue whales, orcas, colossal squids and fur seals. These animals thrive in this cold environment. While Antarctica is a very cold place it is starting to see the effects of global warming. Global Warming is the term used to describe a gradual increase in the average temperature of the Earth's atmosphere and its oceans. Climate change is a change that is believed to be permanently changing the Earth's climate. This climate change is effecting the animals' natural habitat. Global warming effects animal's food supply, water supply and their ability to raise the young. Today we will be making Paper Mache arctic animals. Paper Mache is a material that is made of paper mixed with water, glue, and other substances and that hardens as it dries. It can be painted after it hardens and is a form of sculpture.



PA Standards:

1. **9.1.3.B.** Recognize, know, use and demonstrate a variety of appropriate arts elements and principles to produce, review and revise original works of art
2. **9.1.3.H.** Handle materials, equipment and tools safely at work and performance spaces
3. **9.2.3.G** Relate works in the arts to geographic regions

Goal: Create Paper Mache animals

Objectives:

1. Identify the region of the world where arctic animals can be found
2. Discuss the types of animals you can find the Arctic region
3. Discuss the effects of global warming on animals in the Arctic region
4. Use materials to create a Paper Mache animal

Requirements:

Research animals from the arctic. Bring in 3 images of animals from the Arctic region. Once the Paper Mache animal is complete the students will be asked to write a paragraph describing the materials they used to decorate their animal and why. They will also have to include 5 facts about the animal they created.

Resources/Materials/Visual Aids:

- PowerPoint presentation of Antarctica and the Arctic region. PowerPoint will include images and descriptions of animals as well as a map of the region and surrounding regions.
- Vocabulary handout
- Step by Step Directions for each table
- Pre-made teacher exemplar of Paper Mache animal

Supplies/Materials:

- News paper
- Masking tape
- Rubber gloves
- Paper Mache mixture
- Strips of newspaper
- Strips of white paper
- Paint
- Paint brushes
- Materials for embellishment: flat marbles, faux fur, etc....

Teacher Preparation:

- Create handout with vocabulary list and images of Antarctica and Arctic animals
- Create PowerPoint presentation of Antarctica and the Arctic region. PowerPoint will also include images and descriptions of animals.
- Prepare Paper Mache mixture
- Have Paper Mache demo ready to present (including premade newspaper shaped animal to cover in Paper Mache for demo)
- Have strips of newspaper (white paper for final layer) prepared
- Have finished Paper Mache animal complete to present
- Have all materials prepared for distribution at the time of class

Teaching:

Introduction:

- Does anyone know where Antarctica is?
- Is Antarctica a country or a continent?
- What is the climate like in Antarctica?
- What animals are you likely to see there?
- What do all animals that live in Antarctica have in common?
- Do people live in Antarctica?
- What is global warming?
- Do you know what kind of effect global warming has on animals?
- Have you ever heard of Paper Mache?
- Do you know what materials you use to create a Paper Mache sculpture?

Directions:

1. View PowerPoint as a class, handout vocabulary list
2. Teacher will do demo of creating animal shapes out of newspaper and masking tape
3. Students will choose an Arctic animal to create in paper Mache

4. Students will make basic shape of animal using newspaper and masking tape
5. Teacher will do demo presenting how to apply paper Mache strips
6. Students will lay Paper Mache over newspaper animals using Paper Mache mixture and strips of newspaper (3 to 4 layers)
7. Paper Mache will dry in between classes
8. Students will apply 2nd layer of Paper Mache (2-3) layers
9. Strategize paint colors and materials for completion of animal (if time allows)
10. Paper Mache will dry in between classes
11. Students will paint Paper Mache animal
12. Students will apply embellishments to their artwork

Closure: Students will present animals to class upon completion

Critique/Evaluation/Assessment: Students will present their animals and 5 facts about that animal and the environment it lives in

Extensions: Using collage materials create a habitat for you animal to live in

Adaptations/Modifications for ELL and Special Needs Students:

Allow students to pick the animal they would like to create. Facilitate the creation of the animal shapes in newspaper and tape. Teacher will cover the animal in the Paper Mache. Student will paint the animal themselves.

Time Budget:

Class 1: 45min class

- Present PowerPoint-10mins (motivation)
- Teacher demo of newspaper shape animal-5 mins (motivation)
- Create arctic animal basic shape out of newspaper and masking tape-30mins (production)
- Write name on animal/clean up area-5mins (closure)

Class 2: 45min class

- Teacher demo of Paper Mache-10 mins (motivation)
- Students will put first layers of Paper Mache on newspaper animals (3-4 layers)-25min (production)
- Write name on animal/clean up area-10mins (closure)

Class 3: 45min class

- Teacher demo of final layer of paper mache-10 mins (motivation)
- Students will put 2nd layers of paper machine on newspaper animals (3-4 layers)-25min (production)
- If student finishes laying Paper Mache early they will strategize the colors and the materials they would like to use to paint and embellish their animal (production)
- Write name on animal/clean up area-10mins (closure)

Class 4: 45min class

- Teacher demo painting and embellishing Paper Mache Animal-5mins (motivation)
- Students will paint their animals-30mins (production)
- Write name on animal/clean up area-10mins (closure)

Class 5: 45min class

- Teacher will explain homework assignment to write a paragraph describing the materials they used to create their animal and why. They will also include 5 facts about the animal they created. -5mins (motivation)
- Students will finish painting and embellishing their animals-35 mins (production)
- Write name on animal/clean up area-10mins (closure)

Vocabulary:

Antarctica: is Earth's southernmost continent, containing the geographic South Pole.

Global Warming: a gradual increase in the average temperature of the Earth's atmosphere and its oceans, a change that is believed to be permanently changing the Earth's climate.

Natural Habitat: is an environmental area where a specific species lives. It is the place in nature that particular species calls home.

Climate: is the statistics/data of weather

Paper Mache: is a material that is made of paper mixed with water, glue, and other substances and that hardens as it dries

Safety Concerns:

Use of Paper Mache can be messy. Make sure each step is clear to students and set rules of conduct while for using Paper Mache.

Bibliography/References:

<https://en.wikipedia.org>

<http://www.nationalgeographic.com/>

<https://www.theartofed.com>

<https://www.pinterest.com>

