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<u>Changes Ahoof: Could Climate Change Affect Arctic Caribou?</u> | <u>A Warmer World for Arctic Animals</u> | <u>Man-made borders stop animals trying to avoid the effects of climate change</u> | CLEAN Testimonials

# **CLEAN STEM Flash**

A Timely Climate and Energy E-Learning Series to Use and Share

February 15th, 2021

# **Topic: Critters and Climate Change**

Animals are important parts of people's everyday lives, whether it is your dog or cat in the living room, or the birds out your window, animals are everywhere! As the climate changes, animals are suffering the effects. In this newsletter, you will find two resources on animals and climate change: 1) an activity that has students explore computer modelled climate change and the subsequent effects on caribou habitat, and 2) a video that discusses Arctic apex predators. We have also included an article that describes a recent study on how man-made structures alter the migration of species who are trying to move to escape their local changing climate conditions. Lastly, we want to hear from YOU! We are calling on our subscribers to share what they value in CLEAN.

#### **CLEAN Resource Feature**

Activity: Changes Ahoof: Could Climate Change Affect Arctic Caribou?

Students run a simplified computer model to explore how climate conditions can affect caribou, the most abundant grazing animal in the Arctic.

Audience: Middle School

Browse CLEAN for more activities on Animals.

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background information in order to assess how climate changes will affect caribou in the Arctic. Students will be introduced to the climate model, will go through runs of the climate model and then have a class discussion. The activity ends with an assessment, where students will create a board game using their results and information provided.

### **CLEAN Resource Feature**

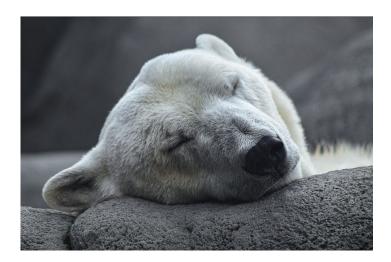
## Video: A Warmer World for Arctic Animals

This video documents the challenges that climate change presents for four specific Arctic predators: polar bears, arctic foxes, beluga whales, and walruses.

Audience: Elementary, Middle School, Informal

Take a look at some more CLEAN videos focused on Animals.

This video engages students with animals in the Arctic. It discusses how apex predators such as polar bears, walruses, arctic foxes, and beluga whales are affected by changes in the Arctic food web. The Arctic food web is undergoing changes due to climate change.



# In the News: <u>Man-made borders stop animals trying to avoid the</u> <u>effects of climate change</u>

This article discusses how animals have a need to migrate since their habitats are being altered because of climate change. It describes a recent study where scientists found man-made borders are obstructing the ability of animals to migrate. Solutions, such as permeable barriers, are suggested. It ends with the

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#### **CLEAN Testimonials**

We want to know how CLEAN has served you! Please share with us how you are making use of CLEAN in your classroom or your work.

CLEAN would like to hear from you personally. Can you share with us how you are using CLEAN - in your classroom or in other ways? In what ways does CLEAN provide support or makes your life easier? Is there a favorite resource you go to time and again? Is there a teaching guidance page that has offered help in your own learning? Do you particularly enjoy the newsletters, teleconference calls, or webinars? Please take a moment to share with us through a short video or written testimonial!

Please follow <u>this link</u> to our survey where you can upload a short video or write about your experience.

The first 50 submissions that describe the use of CLEAN in action will receive a \$5 gift card.

Thank you for your support and participation in strengthening the work that CLEAN does!

- CLEAN Team

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