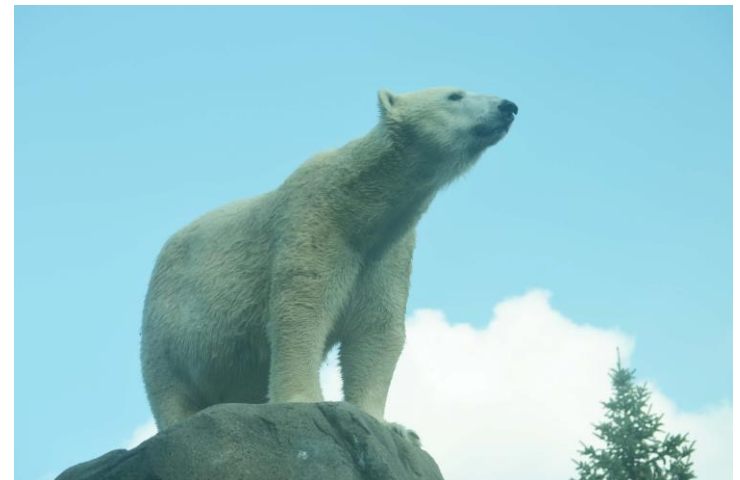


Exploration Field Guide

Grades 9-12



Name: _____

<https://senecaparkzoo.org/education/education-resources/>

Polar bears depend on sea ice to hunt for their prey. As global temperatures increase, that sea ice melts. Predict what will happen to polar bears if global temperatures continue to rise. Explain your reasoning.

This Field Guide meets the following New York State learning standards:

NGSS

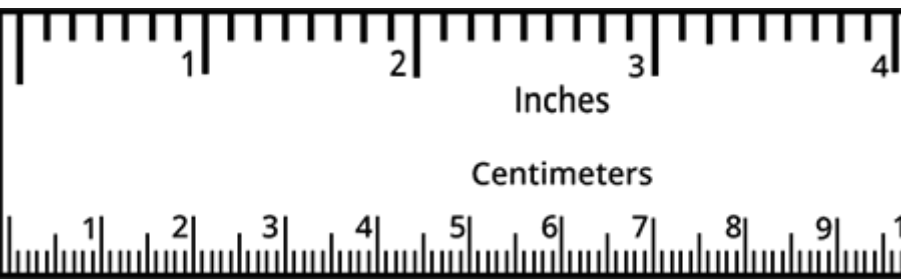
- HS-LS4-4
- HS-LS4-5

Regents Living Environment

- Standard 1- 1.2a
- Standard 4- 3.1e, 3.1g, 3.1h, 3.1i

AP Biology

- Big Idea 1- 1.A.1, 1.A.2



Go to the Barbara Bonin Bear Habitat. Read the signs to find information to fill out the chart below. Use the ruler on the back of this field guide to measure the width of the back paw for each species of bear.

Type of Bear	Polar Bear	Grizzly Bear	Black Bear
Present Range			
Habitat			
Adaptations			
Width of Back Paw			
Claw Use			

On the sign labeled “Three Bears,” read the section that explains what makes a bear a bear. Summarize this information by explaining what all bears have in common:

Polar bears, grizzly bears, and black bears all have a common ancestor, but are now adapted to their specific environments. Explain how each species’ adaptations help it survive in its unique habitat.

Polar Bear:

Grizzly Bear:

Black Bear:
