

A changing climate Dǎnǎn kay ädūnǎkwǎnth'ät.



Learning Objectives:

- Explore the effects of climate change on humans and animals

Materials:

- Pylons (20)
- Word cards (15)

Targeted Levels:

- Grades 9 to 12

Set-up:

Review words for the card clips and choose ones that are appropriate for the class level. If you would like to include any other words, feel free to create a few word cards of your own.

Highlighted sentences are translated into Southern Tutchone Äshèyi.

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Introduction

Give students time to explore the map and to look at all the various colours. Help them place a pylon on their hometown on the map. Have them stand along the border for instructions. Invite students onto the map and guide them in the following exploration of the map:

- On Earth, we have land, water, air and life.

Nǎn Kay, nǎn ghala, chu, ghādīzhi yè ghākwinnji.

Stand on water.

Chu dādalǎn kay nǎndhāt.

Stand on land.

Nǎn āla kay nǎndhāt.

- This map was created with hundreds of photos taken from space. Find what object could have taken these photos. (The satellite)

- Satellites help us observe Earth and help us figure out how we can take care of our world.

Earth is getting warmer because of things that humans do, like pollute the air and water.

Dazhǎn nǎn nǎkwǎndhel dǎn dǎnnch'j ghā äkū nǎkwǎnt'ät Äk'ǎn ghādīzhi ts'ǎn ädunǎkwǎnth'ät äyet chu shū.

One big effect of this warming is that sea ice in the North is melting faster than is normal, which affects people as well as animals like polar bears. Where might we find polar bears? Can you locate the ice on this map that polar bears need to survive?



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Development

Tell students that the ground that was once frozen in the North is also heating up. The water in the frozen ground melts and the ground sinks, damaging roads and buildings. **The warming of Earth affects us all.** **Dazhǎn nǎn kay nǎkwǎndhel dǎyè nǐnǎ.**

Have students pair up and give each pair a word card. Ask students to place the word card on the map where they think that their word is in some way connected to climate change. They should explain why they chose each spot.

Conclusion

Sit on the map with students and talk about their choices. Ask them the following question and then discuss their answers: How will the change in Earth's temperature affect us? Think of what activities we enjoy and where our food comes from.

