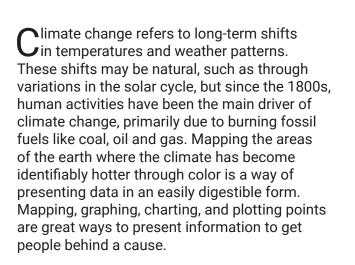
Junior Curator ACADEMY

POLAR TROPICAL

TEMPERATE

MAPPING CLIMATE CHANGE



CLIMATE ZONES:

POLAR—has the coldest with temperatures almost always below freezing.

TEMPERATE—most of the Earth's land masses fall into this climate zone with more moderate temperatures and rainfall yearround.

DESERT—has dry hot temperature with very little rain and plant growth.

TROPICAL—has the warmest average temperatures and gets the most rain.

LEARNING STANDARDS:

Visual Arts Cn10.1.6: Generate a collection of ideas reflecting current interests and concerns that could be investigated in artmaking.

Social Studies 1.6-8.1: Analyze positions and evidence supporting an issue or an event.

Social Studies 1.6-8.2: Evaluate the logic of reasons for a position on an issue or event.

Social Studies 2.6-8.1: Create and use research questions to guide inquiry on an issue or event.



MAPPING CLIMATE CHANGE (CONT.)

		INSTRUCTIONS:
KEY:		
BLUE: Polar		 Create a color key with four different colors to illustrate the various climate zones found throughout the world.
GREEN: Temperate		Use your first map of the world to create a climate zone mapusing the four different climate zones defined in this lesson.
YELLOW: Desert		 Color in the current map to illustrate what is currently the temperature in different parts of the world.
RED: Tropical		 Research what the world would be like if it were just an average of 4°C warmer.
	SUGGESTED WEBSITES	https://www.noaa.gov/climate https://www.epa.gov/environmental-topics/greener-living https://www.climate.nasa.gov/news/2865/a-degree-of- concern-why-global-temperatures-matter/ https://www.carbonbrief.org/what-is-a-4c-world
		 Use this information, and the same color key, to color the second world map to show how the climate could change in each region changes with this slight shift.
MATERIALS:		 Research the role that car emissions play in creating climate change and write a paragraph about this impact, including answers to these questions:
Pencil and paper		a. How do vehicle emissions change the climate?
Crayons, markers, or colored pencils		b. What role does fossil fuel play in the car industry?
Two printed maps of the world or hand drawn maps <u>like this</u>		c. What options have become available for alternate fuel sources for vehicles?
		d. Where does fossil fuel come from? How much is available?

