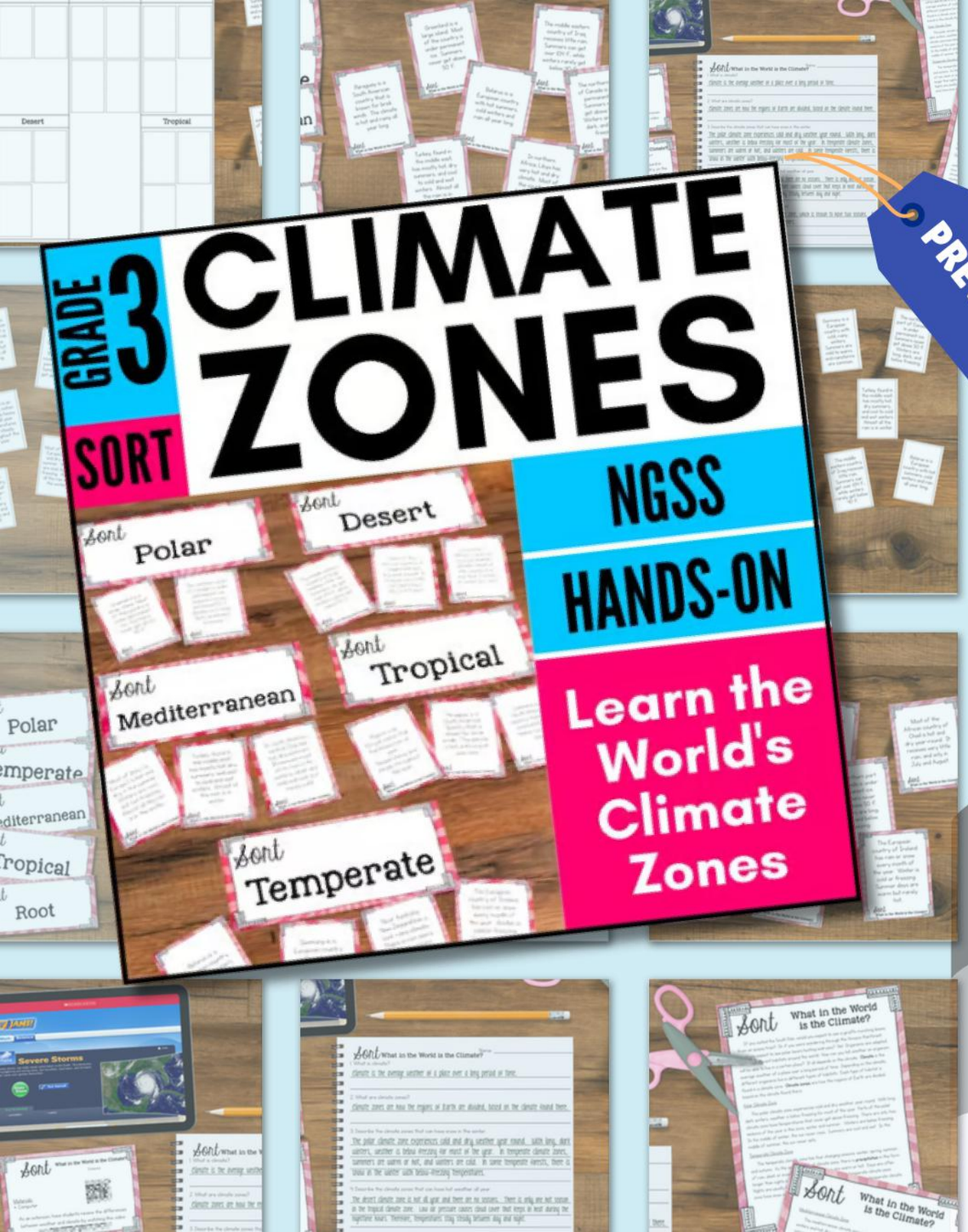


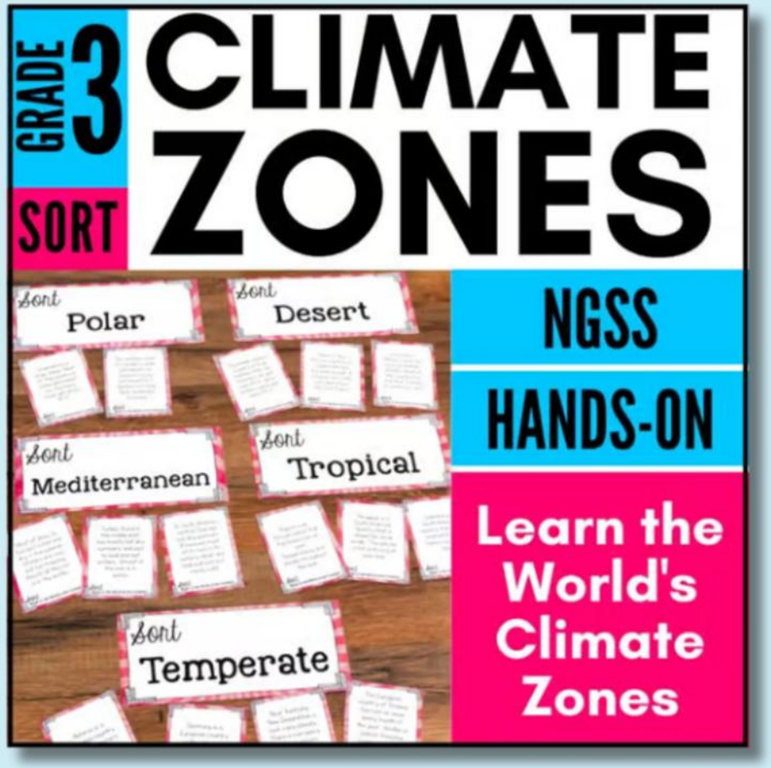
Sort · Map · Explore · Explain

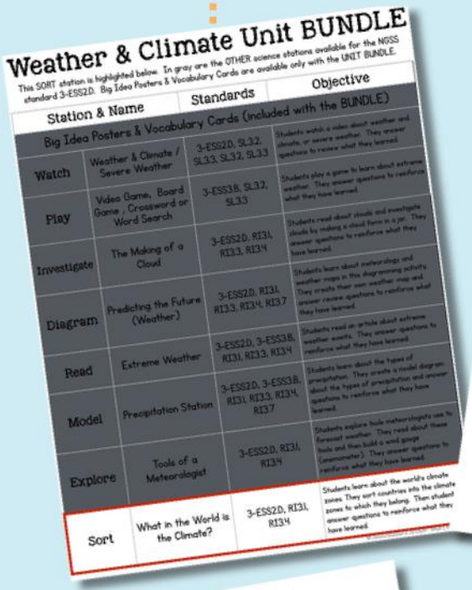
3RD GRADE

SORT CLIMATE ZONES

KEEP SCROLLING TO SEE WHAT'S INSIDE!

ACTIVITY OVERVIEW




Weather & Climate Unit BUNDLE

This SORT station is highlighted below. In gray are the OTHER science stations available for the NGSS standard 3-ESS2D. Big Idea Posters & Vocabulary Cards are available only with the UNIT BUNDLE.

Station & Name	Standards	Objective
Big Idea Posters & Vocabulary Cards (included with the BUNDLE)		
Watch — Weather & Climate / Severe Weather	3-ESS2D, SL.3.2, SL.3.3, SL.3.2, SL.3.3	Students watch a video about weather and climate, or severe weather. They answer questions to review what they learned.
Play — Video Game, Board Game, Crossword or Word Search	3-ESS3B, SL.3.2, SL.3.3	Students play a game to learn about extreme weather. They answer questions to reinforce what they have learned.
Investigate — The Making of a Cloud	3-ESS2D, RI.3.1, RI.3.3, RI.3.4	Students read about clouds and investigate clouds by making a cloud form in a jar. They answer questions to reinforce what they have learned.
Diagram — Predicting the Future (Weather)	3-ESS2D, RI.3.1, RI.3.3, RI.3.4, RI.3.7	Students learn about meteorology and weather maps in this diagramming activity. They create their own weather map and answer review questions to reinforce what they have learned.
Read — Extreme Weather	3-ESS2D, 3-ESS3B, RI.3.1, RI.3.3, RI.3.4	Students read an article about extreme weather events. They answer questions to reinforce what they have learned.
Model — Precipitation Station	3-ESS2D, 3-ESS3B, RI.3.1, RI.3.3, RI.3.4, RI.3.7	Students learn about the types of precipitation. They create a model diagram about the types of precipitation and answer questions to reinforce what they have learned.
Explore — Tools of a Meteorologist	3-ESS2D, RI.3.1, RI.3.4	Students explore tools meteorologists use to forecast weather. They read about these tools and then build a wind gauge (anemometer). They answer questions to reinforce what they have learned.
Sort — What in the World is the Climate?	3-ESS2D, RI.3.1, RI.3.4	Students learn about the world's climate zones. They sort countries into the climate zones to which they belong. Then students answer questions to reinforce what they have learned.


Science Stations Overview

This is a general overview of all science stations in each UNIT BUNDLE.

Watch a Video
At this station, students will watch a video relevant to the topic and answer questions. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

Play a Game
Students play a game and answer questions about the experience. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

Investigate
Students use materials to investigate the science topic by following directions and recording results. Students answer questions about the investigation.

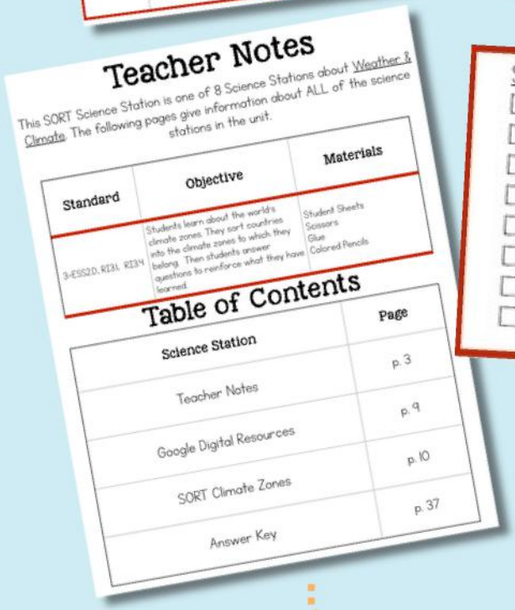
Draw a Diagram
Students draw and label a diagram specific to certain requirements. Students then explain how their diagram meets the requirements.

Read a Passage
Students read a short passage about the topic and answer questions about the information in the passage. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

Create a Model
Students use materials to illustrate the science concept and answer questions. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

Explore
Students create a sample and manipulate it using the new science concepts they have learned. Students answer questions based on the effects.

Sort
Students sort cards into groups or put them in a specific order. Students record the sort and then describe their reasoning.

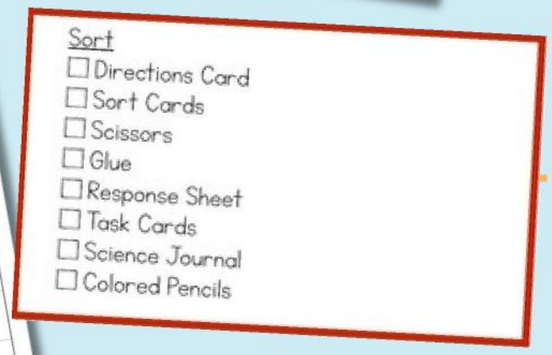

Teacher Notes

This SORT Science Station is one of 8 Science Stations about Weather & Climate. The following pages give information about ALL of the science stations in the unit.

Standard	Objective	Materials
3-ESS2D, RI.3.1, RI.3.4	Students learn about the world's climate zones. They sort countries into the climate zones to which they belong. Then students answer questions to reinforce what they have learned.	Student Sheets Scissors Glue Colored Pencils

Table of Contents

Science Station	Page
Teacher Notes	p. 3
Google Digital Resources	p. 9
SORT Climate Zones	p. 10
Answer Key	p. 37


Sort
- ☐ Directions Card
- ☐ Sort Cards
- ☐ Scissors
- ☐ Glue
- ☐ Response Sheet
- ☐ Task Cards
- ☐ Science Journal
- ☐ Colored Pencils

Unit Bundle Components

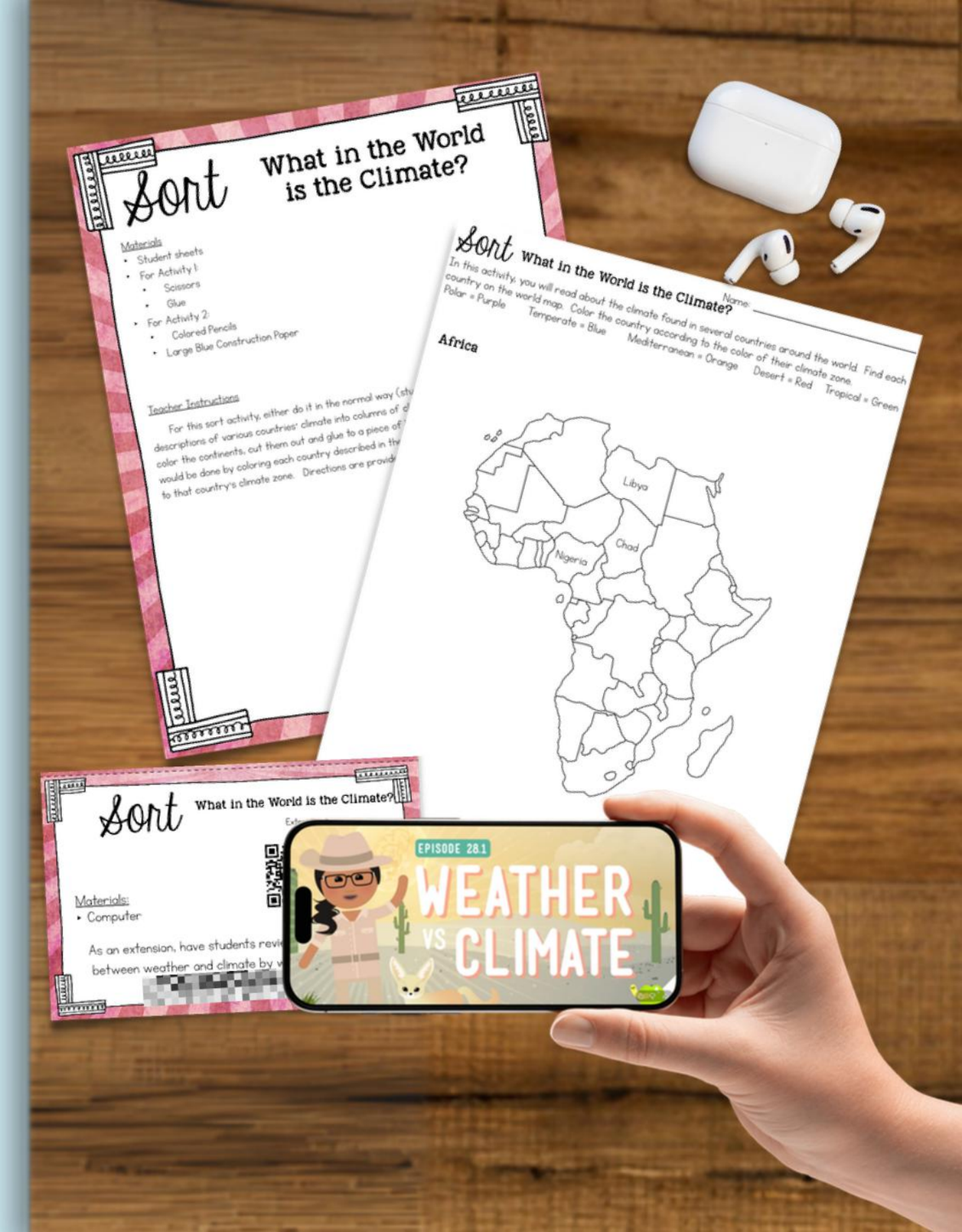
Stations Overview

Materials Checklist

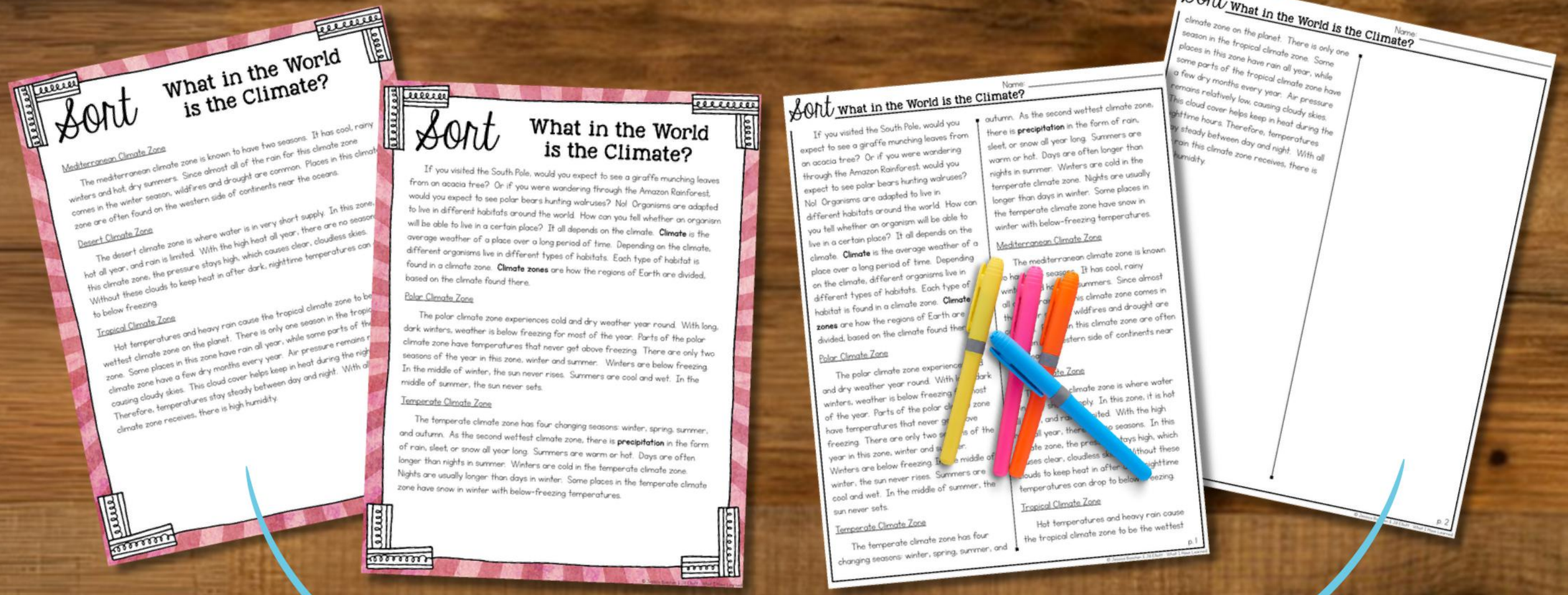
Teacher Notes/ Table of Contents

WHAT'S INCLUDED
SORTING SCIENCE STAION

- Teacher Notes
- Student Reading Passage (2 Formats)
- Color Sorting Cards
- Black & White Sorting Worksheet
- Differentiated Questions
- Answer Key
- Google Forms™
- Google Slides™



SORT: READING PASSAGE

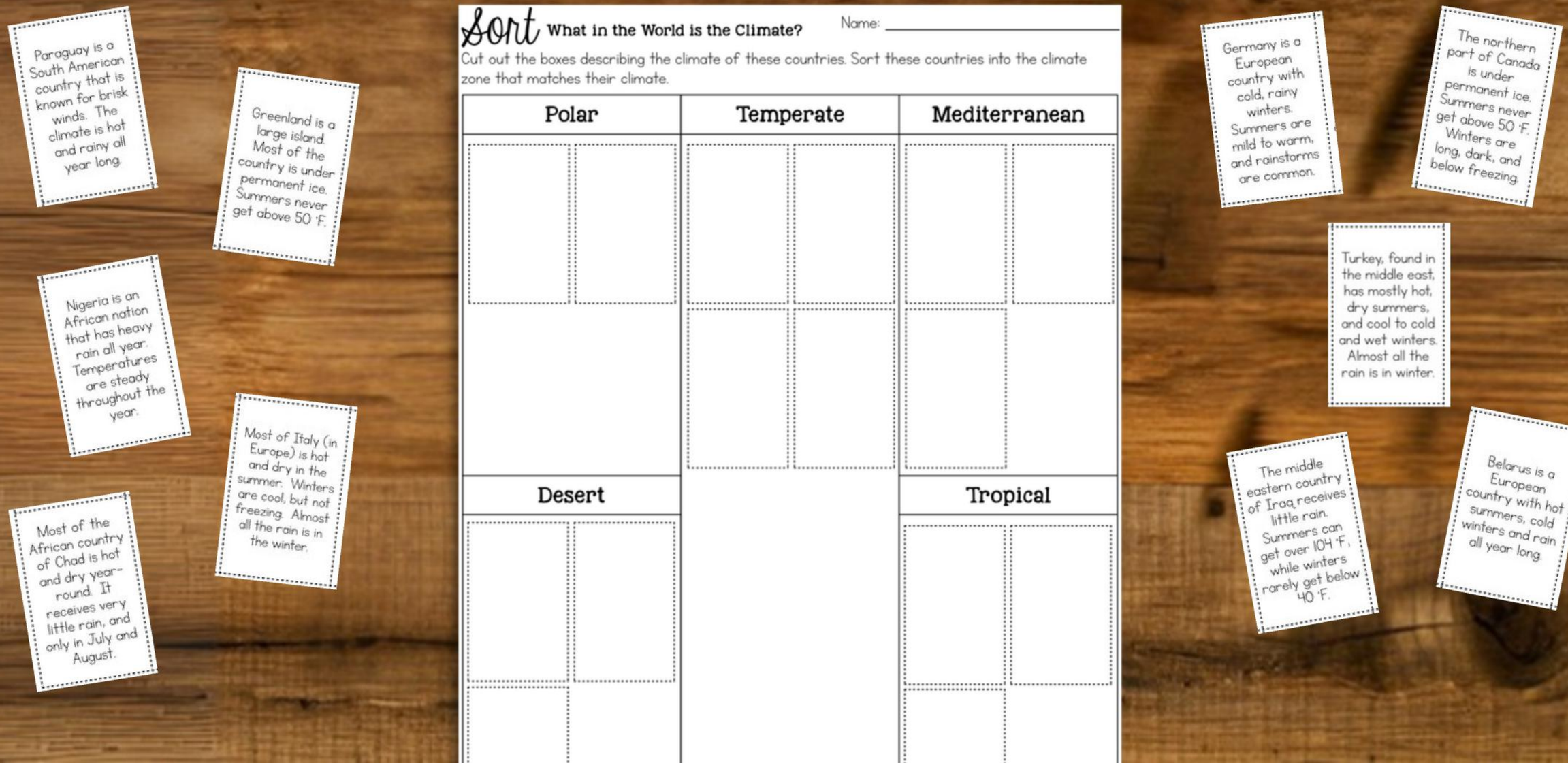


READING PASSAGE IN TWO FORMATS

ENGAGING SORT ACTIVITY



COMPLIMENTARY WORKSHEET



Sort **What in the World is the Climate?** Name: _____

Cut out the boxes describing the climate of these countries. Sort these countries into the climate zone that matches their climate.

Polar	Temperate	Mediterranean

Desert	Tropical

Paraguay is a South American country that is known for brisk winds. The climate is hot and rainy all year long.

Greenland is a large island. Most of the country is under permanent ice. Summers never get above 50 °F.

Nigeria is an African nation that has heavy rain all year. Temperatures are steady throughout the year.

Most of Italy (in Europe) is hot and dry in the summer. Winters are cool, but not freezing. Almost all the rain is in the winter.

Most of the African country of Chad is hot and dry year-round. It receives very little rain, and only in July and August.

Germany is a European country with cold, rainy winters. Summers are mild to warm, and rainstorms are common.

The northern part of Canada is under permanent ice. Summers never get above 50 °F. Winters are long, dark, and below freezing.

Turkey, found in the middle east, has mostly hot, dry summers, and cool to cold and wet winters. Almost all the rain is in winter.

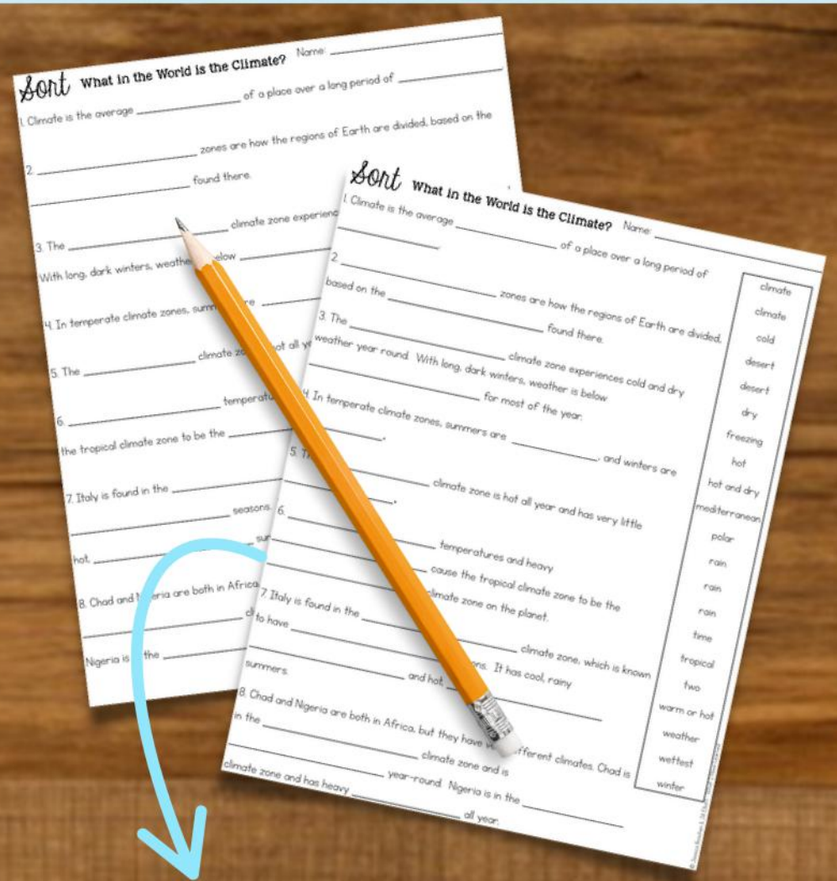
The middle eastern country of Iraq receives little rain. Summers can get over 104 °F, while winters rarely get below 40 °F.

Belarus is a European country with hot summers, cold winters and rain all year long.

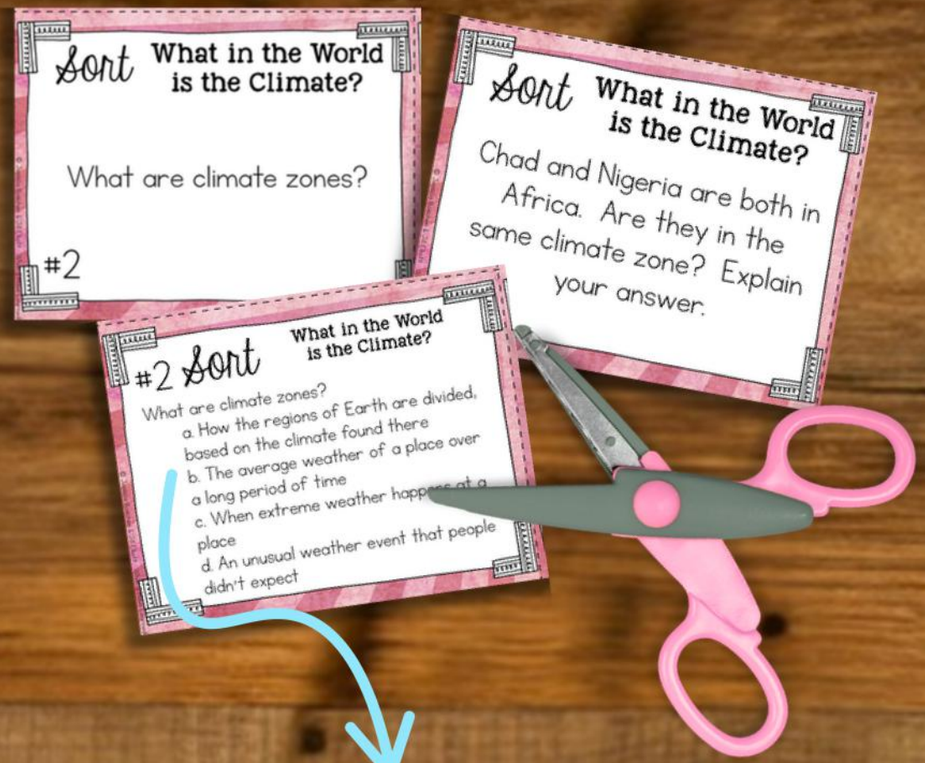
DIFFERENTIATED QUESTIONS



SHORT ANSWER



FILL-IN-THE BLANK



TASK CARDS: SHORT ANSWER & MULTIPLE CHOICE



Sort **What in the World is the Climate?**

Extension

Materials:
- Computer

As an extension, have students review the differences between weather and climate by watching this video:

Sort **What in the World is the Climate?**

Instructions for Coloring Sort

In this activity, you will read about the climate found in several countries around the world. Find each country on the continents. Color the country according to the color of their climate zone. Cut out each country and glue to the blue construction paper.

Polar = Purple
Temperate = Blue
Mediterranean = Orange
Desert = Red
Tropical = Green

Sort **What in the World is the Climate?** Name: _____

1. What is climate?

Climate is the average weather of a place over a long period of time.

2. What are climate zones?

Climate zones are how the regions of Earth are divided, based on the climate found there.

3. Describe the climate zones that can have snow in the winter.

The polar climate zone experiences cold and dry weather year round. With long, dark winters, weather is below freezing for most of the year. In temperate climate zones, summers are warm or hot, and winters are cold. In some temperate forests, there is snow in the winter with below-freezing temperatures.

4. Describe the climate zones that can have hot weather all year.

The desert climate zone is hot all year and there are no seasons. There is only one hot season in the tropical climate zone. Low air pressure causes cloud cover that keeps in heat during the nighttime hours. Therefore, temperatures stay steady between day and night.

5. Describe the climate zone where Italy is found.

Italy is found in the mediterranean climate zone, which is known to have two seasons. It has cool, rainy winters and hot, dry summers.

Sort **What in the World is the Climate?**

If you visited the South Pole, would you expect to see a giraffe munching leaves from an acacia tree? Or if you were wandering through the Amazon Rainforest, ...d you expect to see polar bears hunting walruses? No! Organisms are adapted ...ferent habitats around the world. How can you tell whether an organism will be able to live in a certain place? It all depends on the climate. **Climate** is the average weather of a place over a long period of time. Depending on the climate, different organisms live in different types of habitats. Each type of habitat is found in a climate zone. **Climate zones** are how the regions of Earth are divided, based on the climate found there.

Polar Climate Zone

The polar climate zone experiences cold and dry weather year round. With long, dark winters, weather is below freezing for most of the year. Parts of the polar climate zone have temperatures that never get above freezing. There are only two seasons of the year in this zone, winter and summer. Winters are below freezing. In the middle of winter, the sun never rises. Summers are cool and wet. In the middle of summer, the sun never sets.

Temperate Climate Zone

The temperate climate zone has four changing seasons: winter, spring, summer, and autumn. As the se... ...t climate zone, there is **precipitation** in the form of rain, sleet, or snow. ... are warm or hot. Days are often longer than nights in ... ...temperate climate zone. Nights are usually ... ...temperate climate zone have snow in ...

Sort **What in the World is the Climate?**

Mediterranean Climate Zone

The mediterranean climate zone is known to have two seasons. It has cool, rainy winters and hot, dry summers. Since almost all of the rain for this climate zone comes in the winter season, wildfires and drought are common. Places in this climate zone are often found on the western side of continents near the oceans.

Desert Climate Zone

The desert climate zone is where water is in very short supply. In this zone, it is hot all year, and rain is limited. With the high heat all year, there are no seasons. In this climate zone, the pressure stays high, which causes clear, cloudless skies. Without these clouds to keep heat in after dark, nighttime temperatures can drop to below freezing.

Tropical Climate Zone

Hot temperatures and heavy rain cause the tropical climate zone to be the wettest climate zone on the planet. There is only one season in the tropical climate zone. Some places in this zone have rain all year, while some parts of the tropical climate zone have a few dry months every year. Air pressure remains relatively low, causing cloudy skies. This cloud cover helps keep in heat during the nighttime hours. Therefore, temperatures stay steady between day and night. With all the rain this climate zone receives, there is high humidity.

YOU WILL LOVE THIS BECAUSE



Hands-On Climate Exploration

Students physically sort and map climate zones, making abstract geographic concepts visual, interactive, and easier to understand.



Strong NGSS Alignment

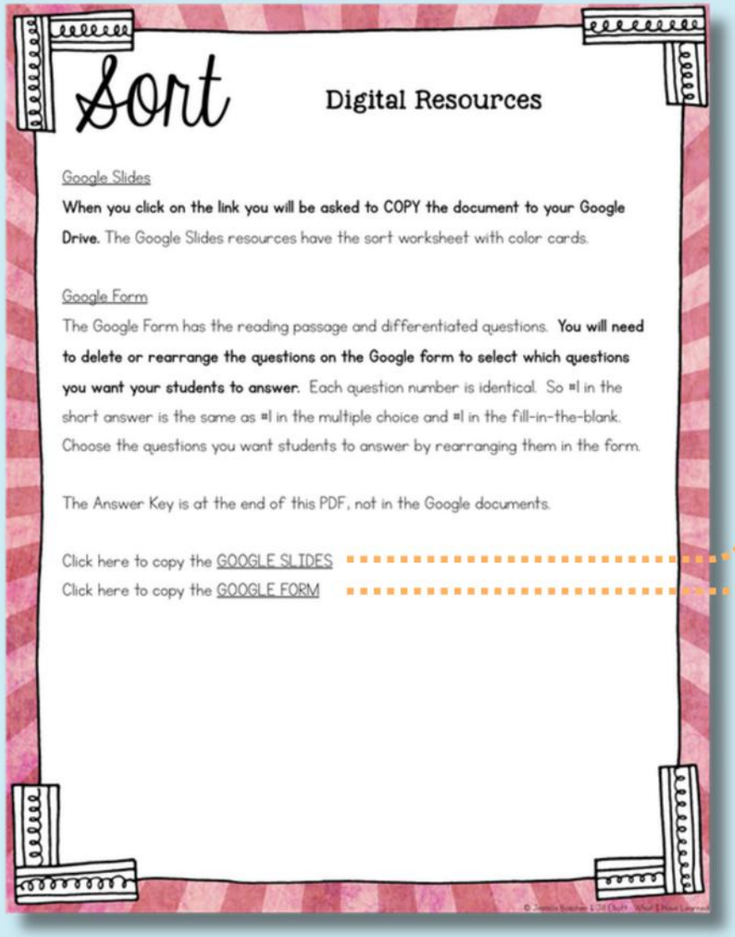
Designed to support Earth science standards while reinforcing climate, geography, and environmental awareness in meaningful ways.

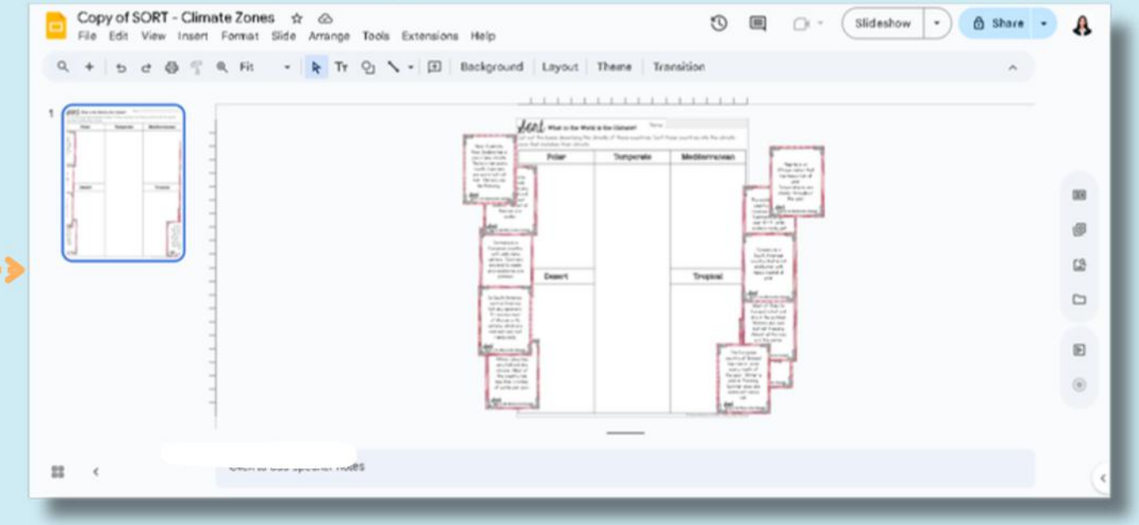


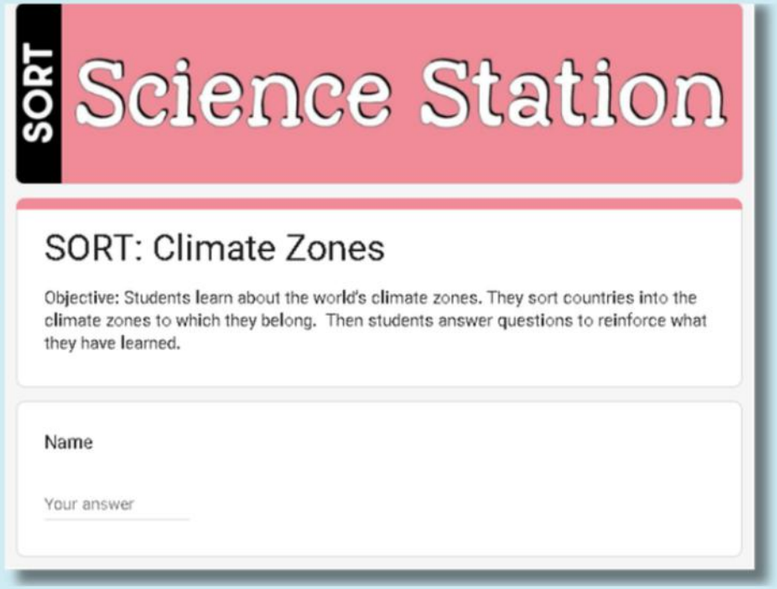
Digital + Print Options

Versatile resource with worksheets, Google Slides, and a website version—great for classroom, homework, centers, or blended learning.

DIGITAL VERSIONS







DIGITAL VERSIONS

- ✔ Google Sheet with Activity & Directions
- ✔ Google Form with Reading & Questions

Answer keys provided

TEACHERS LOVE IT!

My students enjoyed working together to finish the "puzzle". It really got them to use their collaboration skills and talking skills.

Heather P.



This resource was easy to use and worked well with my students. The directions were clear, and it saved me time while planning. My students were engaged and understood the material better after using it. I would definitely recommend this product and plan to use it again in the future.

Hannah Fernandes



My passion is making learning accessible to all students.
I love scaffolding learning, breaking down the concepts and building them up so that students can see the connections.
I love figuring out the small components that build up to the big ideas and helping students see it all.



teach MATH | teach SCIENCE | teach READING | teach WRITING

What I have LEARNED