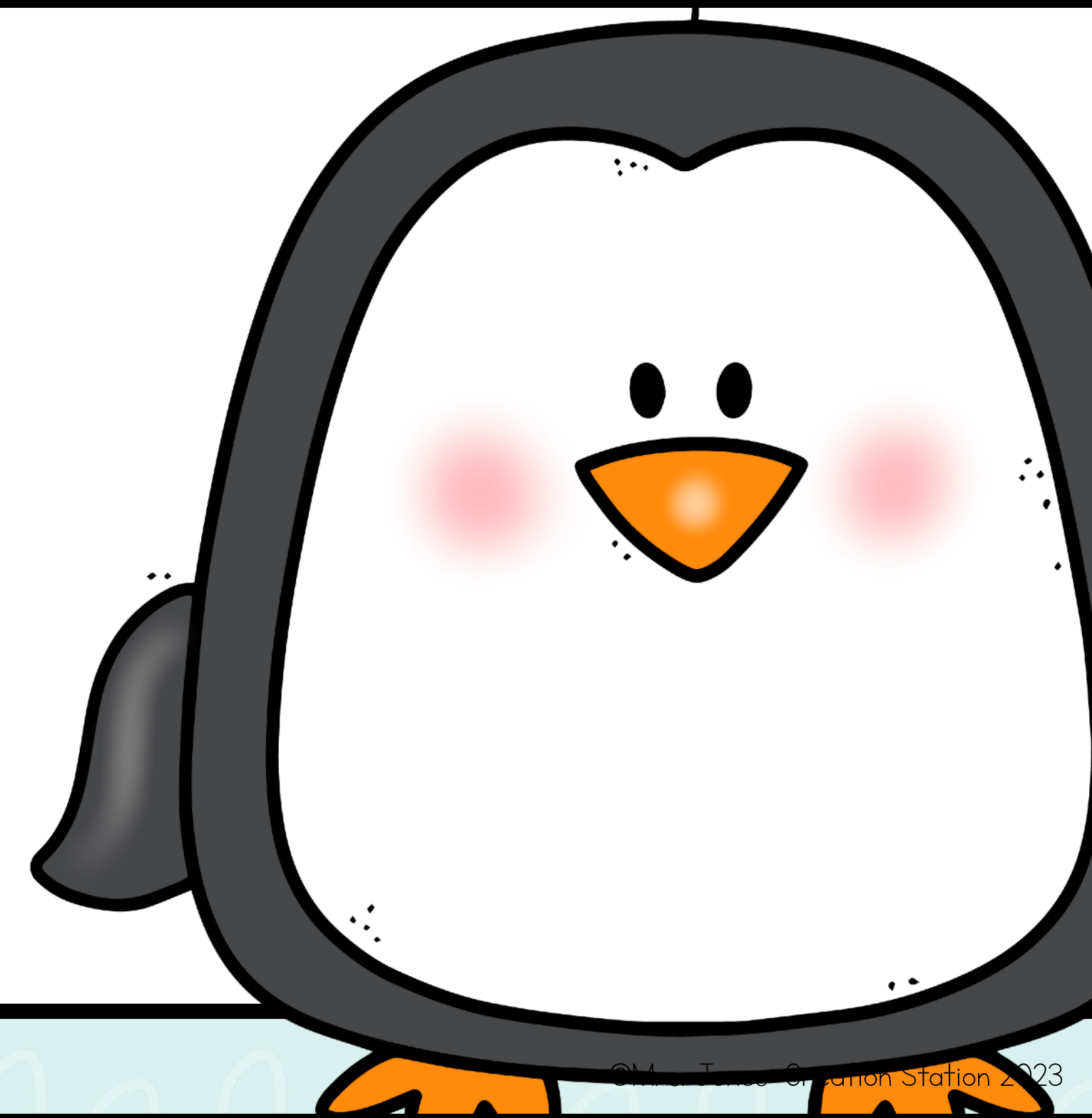


# **POLAR** animals

thematic unit for little learners

- ✓ science lessons
- ✓ literacy centers
- ✓ math centers
- ✓ poems, songs, and more...

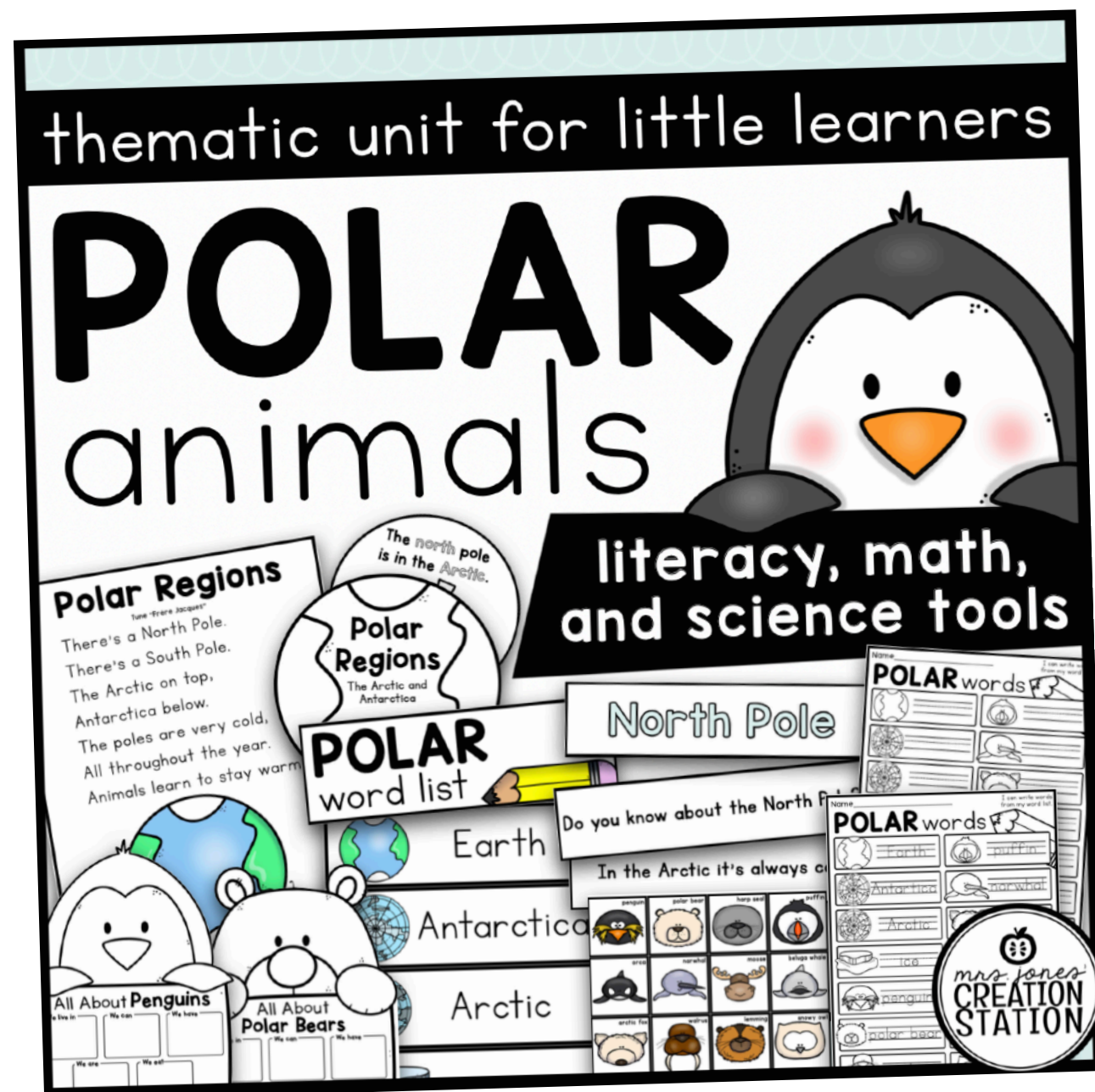




# WHAT'S included?



clickable links that go to that section of the PDF



## RESOURCES included

### THEMATIC SLIDES

This folder includes images that can be added as the background to a Google slide or PowerPoint presentation for paperless whole group instruction.

### SHARED READING AND WRITING

These resources may be used during whole group instruction to model and guide reading and writing behavior. Shared reading includes a poem/song and shared writing include a variety of directed drawing pages. (also available as a slide)

### WRITING CENTER

Add these resources to your writing center to facilitate student writing. Resources include word cards and differentiated writing pages.

### INTERACTIVE POEM

Use this poem during whole group or a literacy center and have learners change the card and read the new poem each time.

### THEMATIC PLANS

Use these plans as a guide for engaging polar animals read alouds and activities in the classroom.

### DAY 1 | NORTH AND SOUTH POLE

Read the book *The Top and Bottom of the World* by Allan Fowler. Use a globe/ ball to show how the Earth moves around the sun and discuss that the poles only have winter/ summer and summer is still cold because the sun is low on the horizon.

### DAY 2 | POLAR BEARS

Read the book *Powerful Polar Bears* by Elizabeth Bennett. Discuss how polar bears and their young survive in the Arctic (food, shelter, adaptations, etc.). Have learners complete the All About Polar Bears page.

### DAY 3 | PENGUINS

Read the book *Cool Penguins* by Jeff Bauer. Discuss how penguins and their young survive in Antarctica (food, shelter, adaptations, etc.). Have learners complete the All About Penguins page.

### DAY 4 | ADAPTATIONS

Read the book *Polar Animal Adaptations* by Lisa J. Amstutz. Using two bowls of ice water and a baggie glove filled with shortening have learners compare how the water feels without and with the blubber glove. Use the recording page to record predictions and results.

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### DAY 5 | POLAR ANIMALS

Read the book *Amazing Arctic Animals* by Jackie Glassman. Discuss what adaptations polar animals have to help them survive in the tundra/Arctic (refer back to the text to show evidence of knowledge). Have learners create their own polar animal that can survive in the freezing temperatures using the Polar Animal page.

### ELAR CLIP CARDS | CORRECT SPELLING

Have learners clip the correct word using the picture on each card. Learners write the correct word on the response sheet.

### ELAR POCKET CHART | SENTENCES

Have learners sort each card to create a sentence. Write one sentence and illustrate the sentence on the response sheet.

### ELAR MAGNET | LETTER MATCHING

Place magnet squares on the back of each letter and sight word card. Using a magnetic surface, have learners spell each sight word using the letter cards.

### ELAR SENSORY | LETTERS

Fill a tub with fake snow or other winter items along with the letter cards. Students pull a card and trace that letter on the response sheet.

### ELAR WRITE THE ROOM | INITIAL SOUNDS

Place word cards around the room. Have learners look for cards and choose the correct beginning sound for each word on the response sheet.

### MATH COLOR BY CODE | NUMBER RECOGNITION

Have learners color the picture based on each number.

### MATH POCKET CHART | MISSING NUMBER

Place the number order cards in a pocket chart. Learners choose the correct missing number and complete the response sheet.

### MATH SENSORY | NUMBER RECOGNITION

Fill a tray with play snow or other winter objects. Add the number cards to the tray. Learners color each number on the 100's chart.

### MATH GAME | ADDITION GAME

Have learners add the number of penguins to create an addition problem. Complete the response sheet.

### MATH GAME | FIRST TO FIFTY

Have learners spin and move that number of space to get to the end of the game board.

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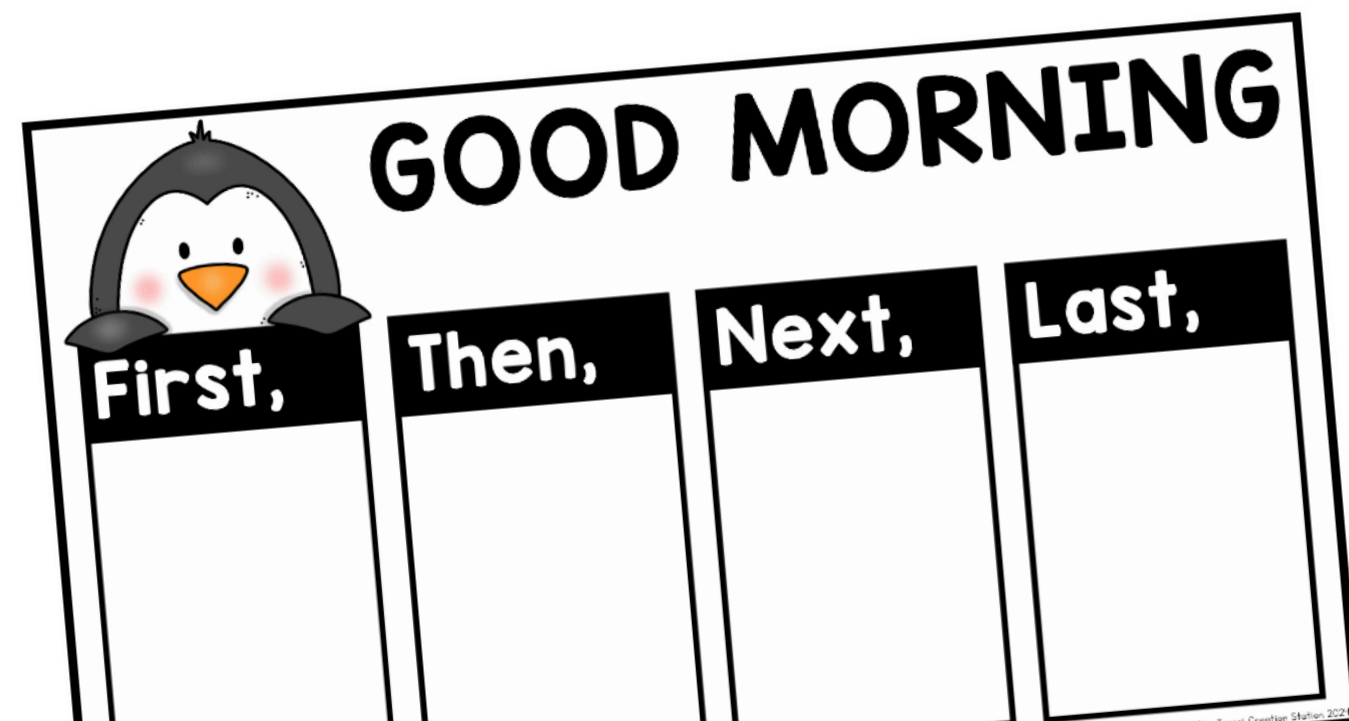
# WHY thematic units?

## Thematic units help learners...

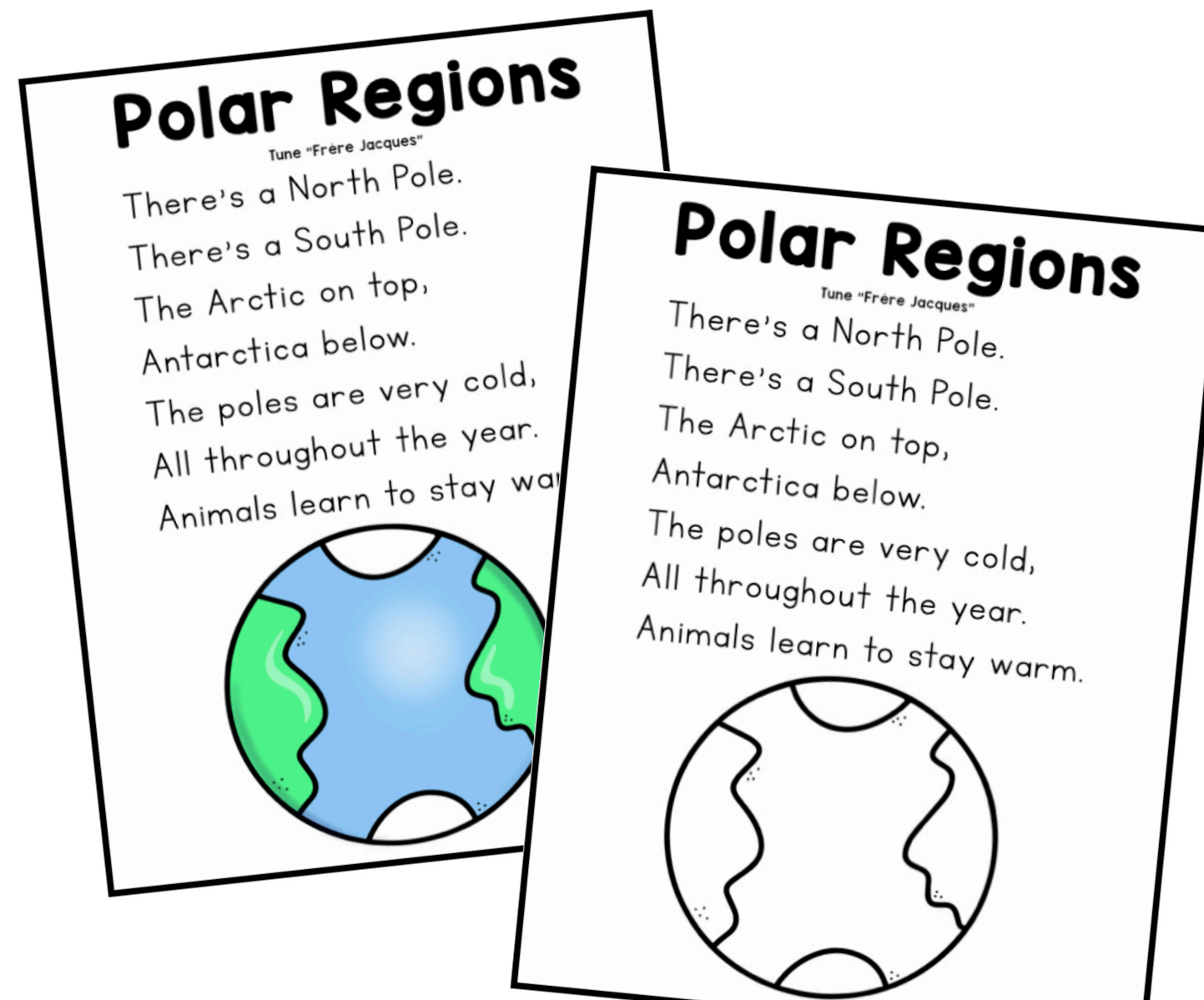
- ✓ engage with the content being taught
- ✓ apply content throughout curricula
- ✓ make connections from their life to learning
- ✓ draw from past experiences and prior knowledge
- ✓ develop vocabulary and comprehension skills
- ✓ establish routines and procedures at school

# THEMATIC routines

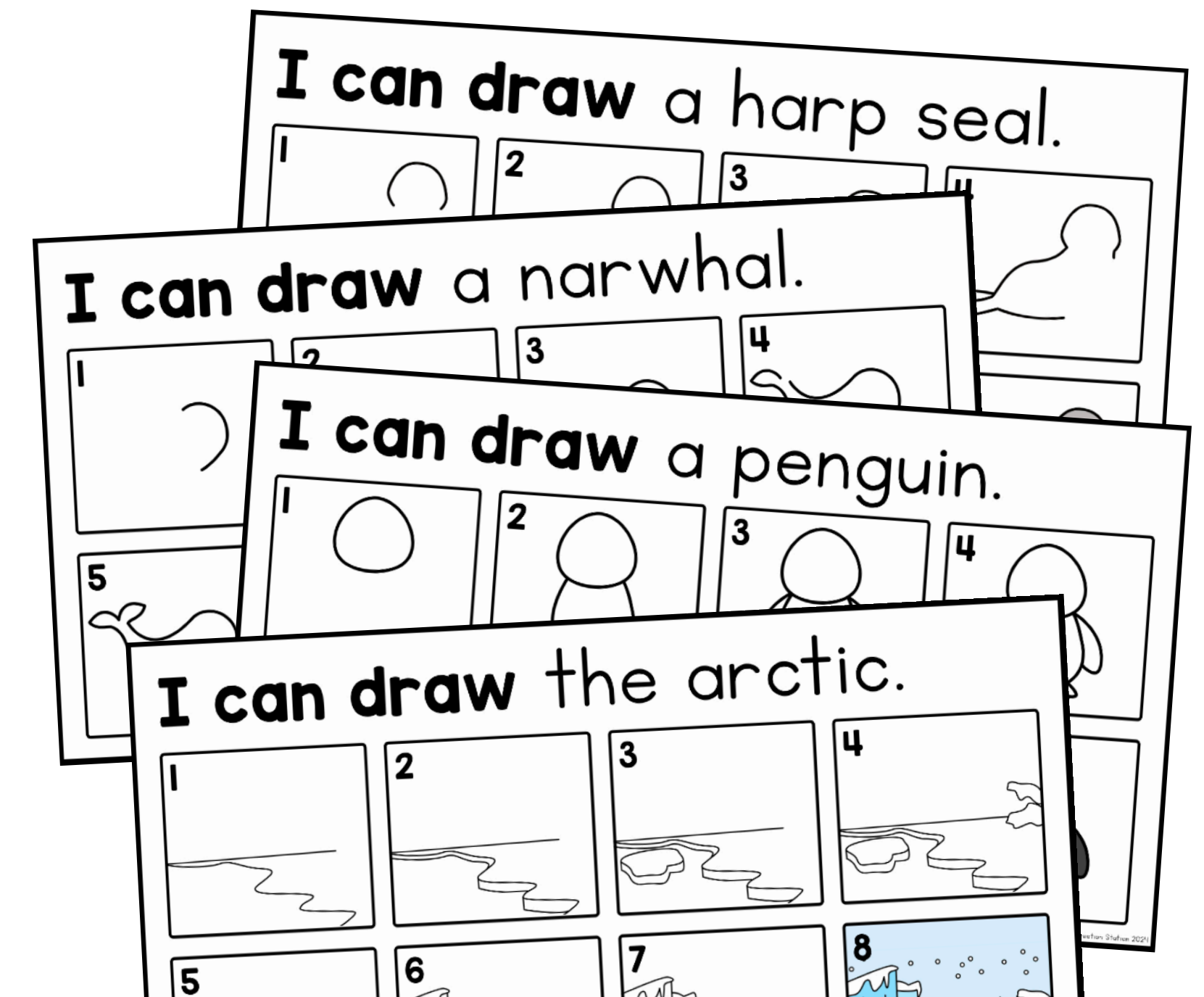
✓ thematic resources included in each unit to help create routines



welcome slide



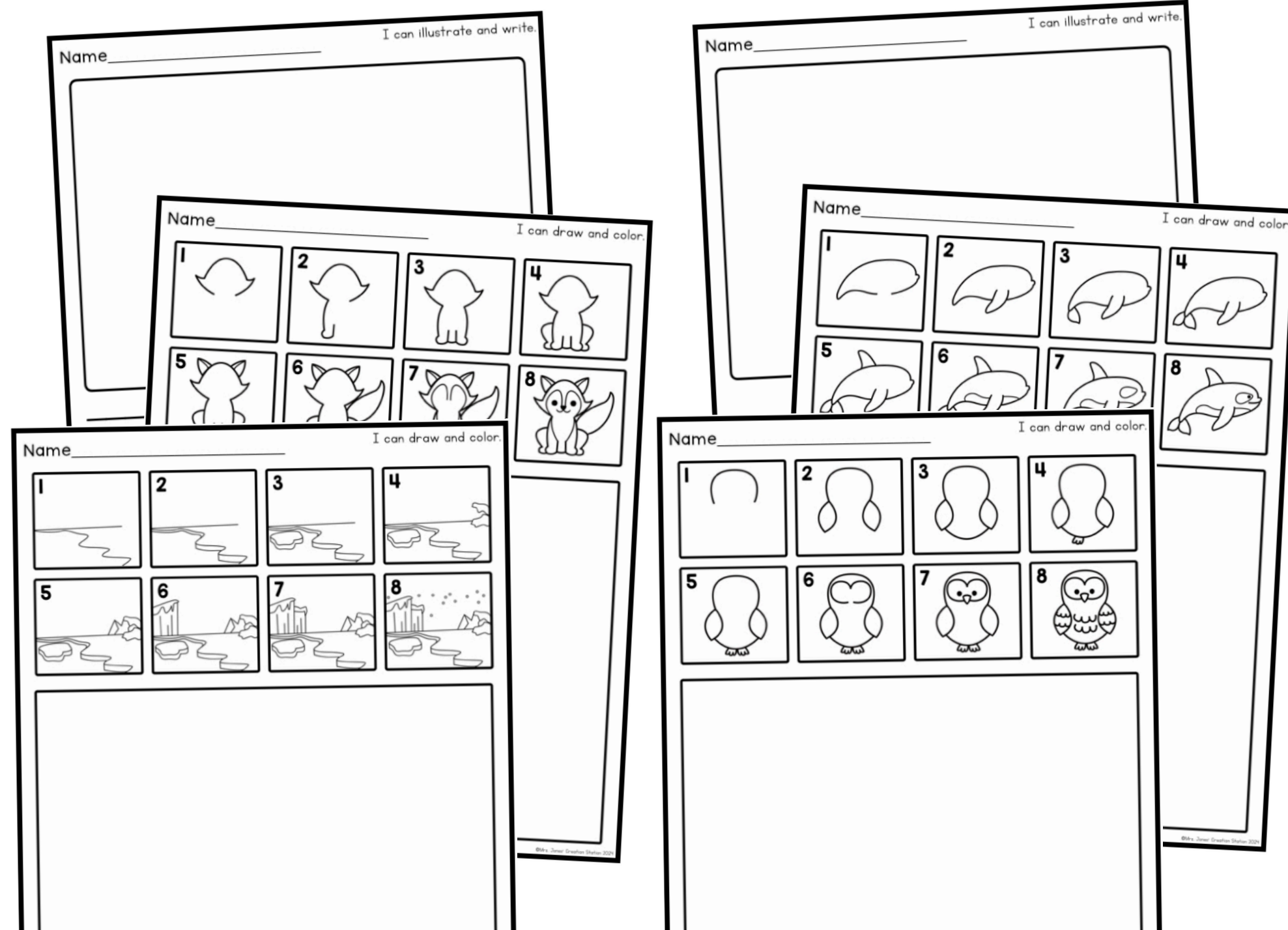
shared reading



shared writing



# THEMATIC routines

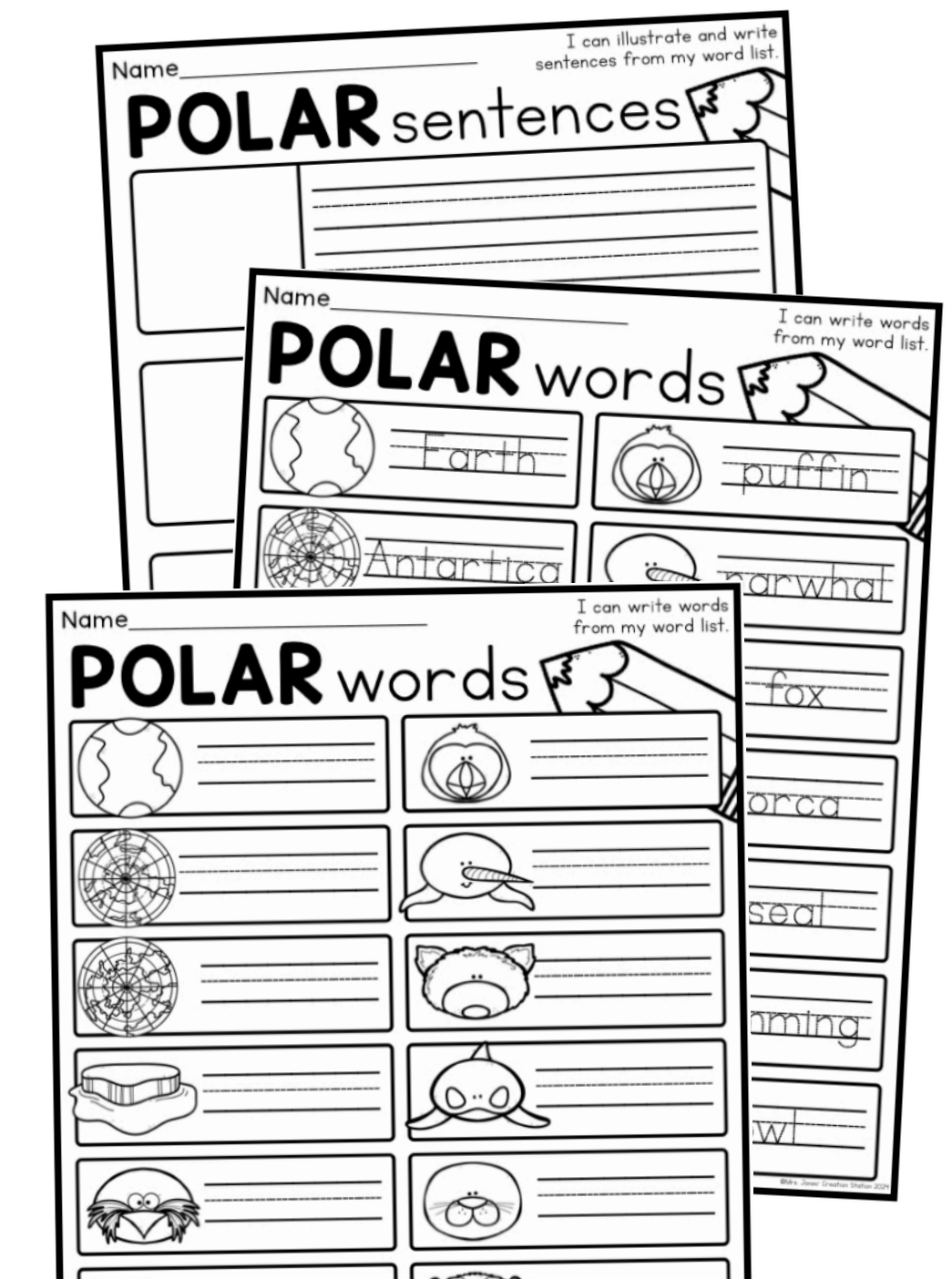


directed drawings

## POLAR word list




writing center





# THEMATIC routines

**My Little Penguin**  
Written By:



My little penguin

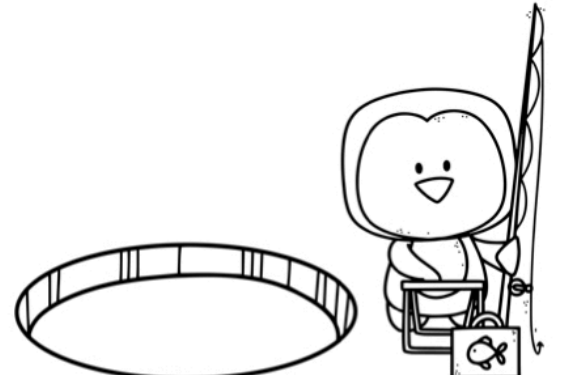
Written and Illustrated By:

predictable chart


Name \_\_\_\_\_ THEMATIC READER

**The Fishing Trip**


He set up his fishing gear.



He will have to go fishing.












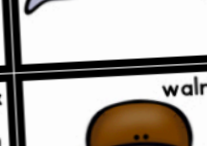


Penguin wants to \_\_\_\_\_



thematic reader

**North Pole**

Do you know \_\_\_\_\_ A \_\_\_\_\_ lives up there.

 penguin	 polar bear	 harp seal	 puffin
 orca	 narwhal	 moose	 beluga whale
 arctic fox	 walrus	 lemming	 snowy owl

\_\_\_\_\_ the cold air.

\_\_\_\_\_ the North Pole!

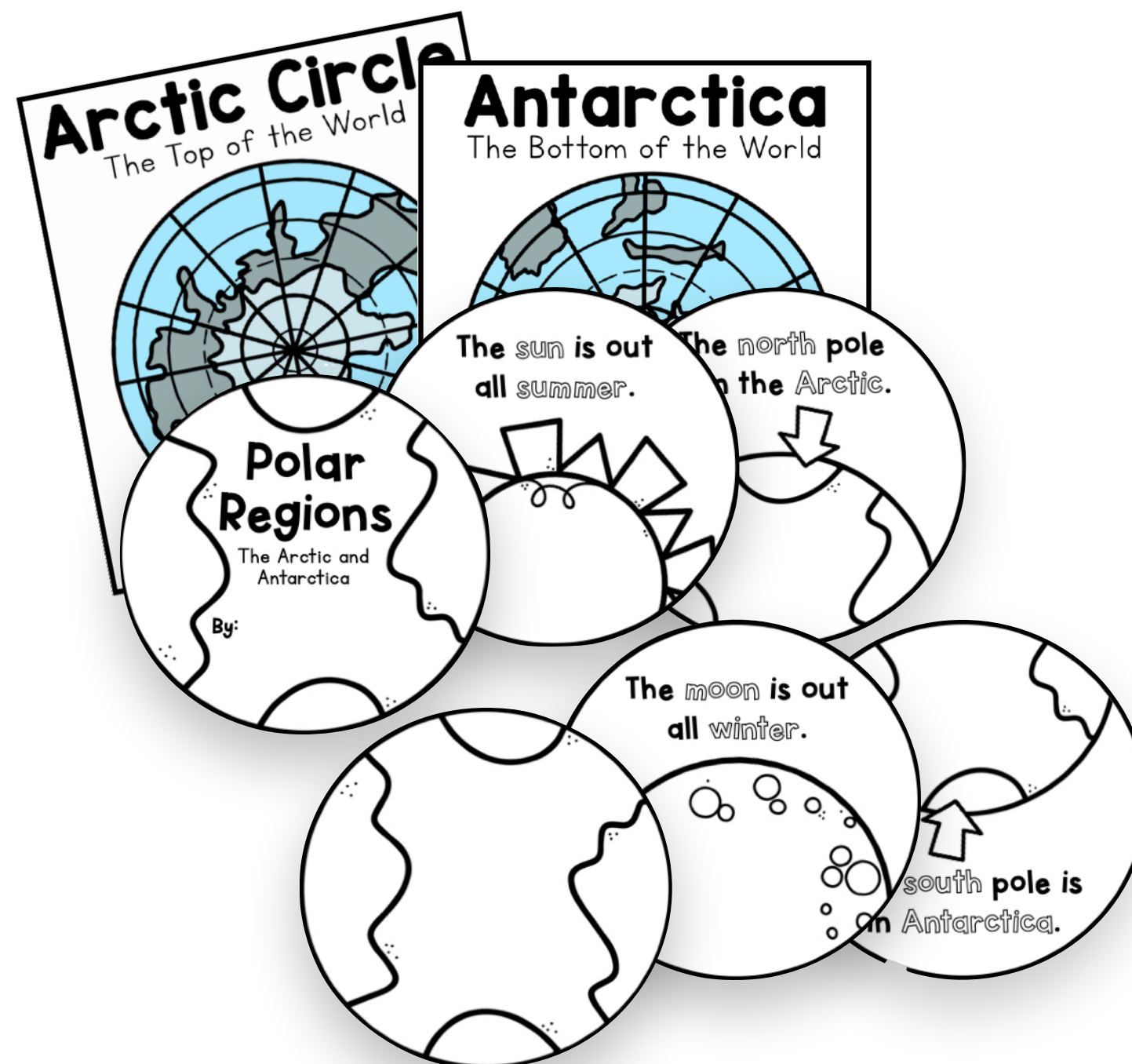
interactive poem



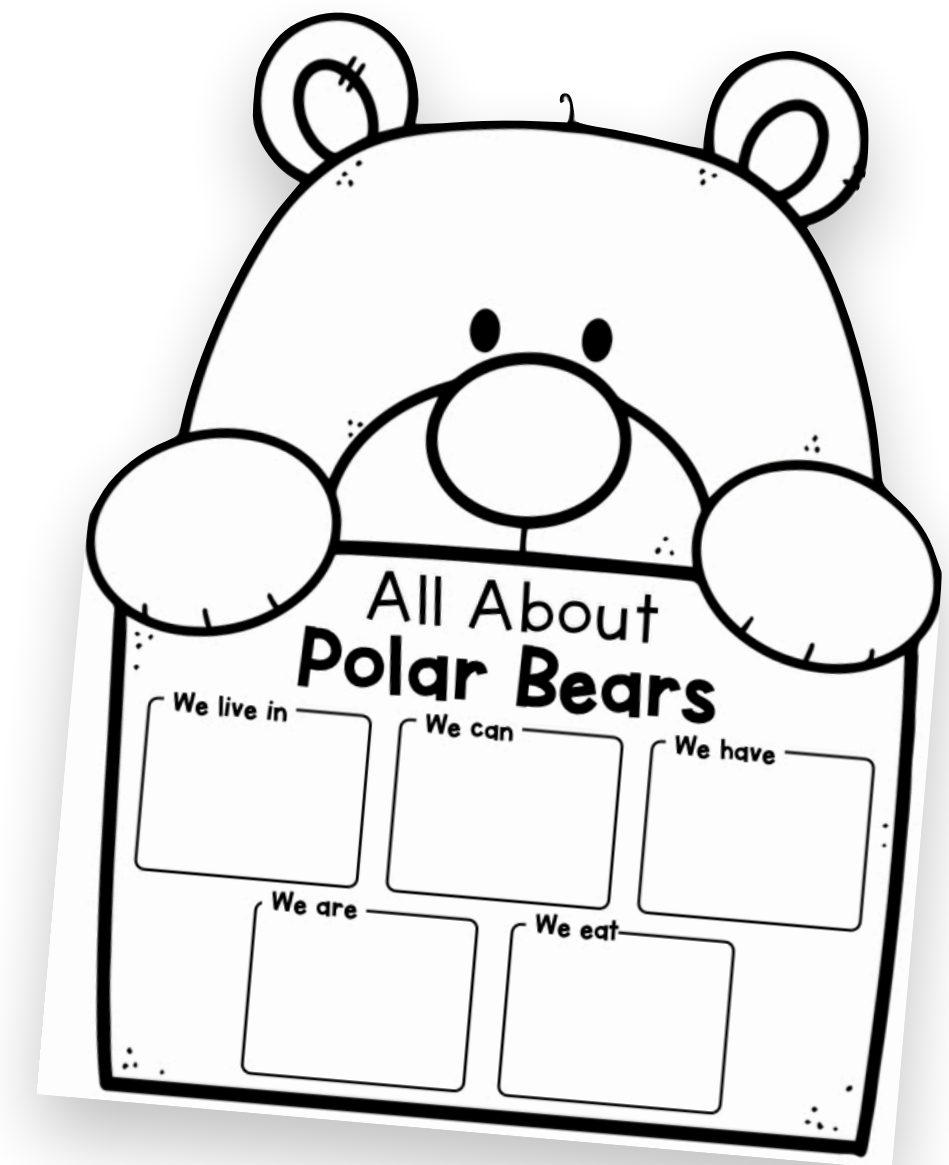
# THEMATIC activities

POLAR ANIMALS	
SCIENCE PLANS	
<b>MONDAY: North and South Pole</b> Engage: Predictable Chart - My Little Penguin... Read Aloud: Read the book <i>The Top and Bottom of the World</i> by Allan Fowler (or similar) Polar Regions: Use a globe and/or print the color posters to show the Arctic Circle and Antarctica. Use a globe/ball to show how the Earth moves around the sun and discuss that the poles only have winter/summer and summer is still cold because the sun is low on the horizon. Have learners color, cut and staple the Polar Regions book.	<b>MATERIALS</b> -read aloud -globe -color posters -polar region book
<b>TUESDAY: Polar Bears</b> Engage: Predictable Chart - My Little Penguin... Read Aloud: Read the book <i>Powerful Polar Bears</i> by Elizabeth Bennett (or similar) Polar Bears: Discuss how polar bears and their young survive in the Arctic (food, shelter, adaptations, etc.). Have learners complete the All About Polar Bears page.	<b>MATERIALS</b> -read aloud -all about polar bears page
<b>WEDNESDAY: Penguins</b> Engage: Predictable Chart - My Little Penguin... Read Aloud: Read the book <i>Cool Penguins</i> by Jeff Bauer (or similar) Penguins: Discuss how penguins and their young survive in Antarctica (food, shelter, adaptations, etc.). Have learners complete the All About Penguins page.	<b>MATERIALS</b> -read aloud -all about penguins page
<b>THURSDAY: Adaptations</b> Engage: Predictable Chart - My Little Penguin... Read Aloud: Read the book <i>Polar Animal Adaptations</i> by Lisa J. Amstutz (or similar) Blubber: Using two bowls of ice water and a baggie glove filled with shortening have learners compare how the water feels without and with the blubber glove. Use the recording page to record predictions and results.	<b>MATERIALS</b> -read aloud -ice water -blubber glove -blubber investigation
<b>FRIDAY: Polar Animals</b> Engage: Predictable Chart - My Little Penguin... Read Aloud: Read the book <i>Amazing Arctic Animals</i> by Jackie Glassman Polar Animals: Discuss what adaptations polar animals have to help them survive in the tundra/Arctic (refer back to the text to show evidence of knowledge). Have learners create their own polar animal that can survive in the freezing temperatures using the Polar Animal page.	<b>MATERIALS</b> -read aloud -polar animal page
NOTES/OBSERVATIONS	

lesson plans

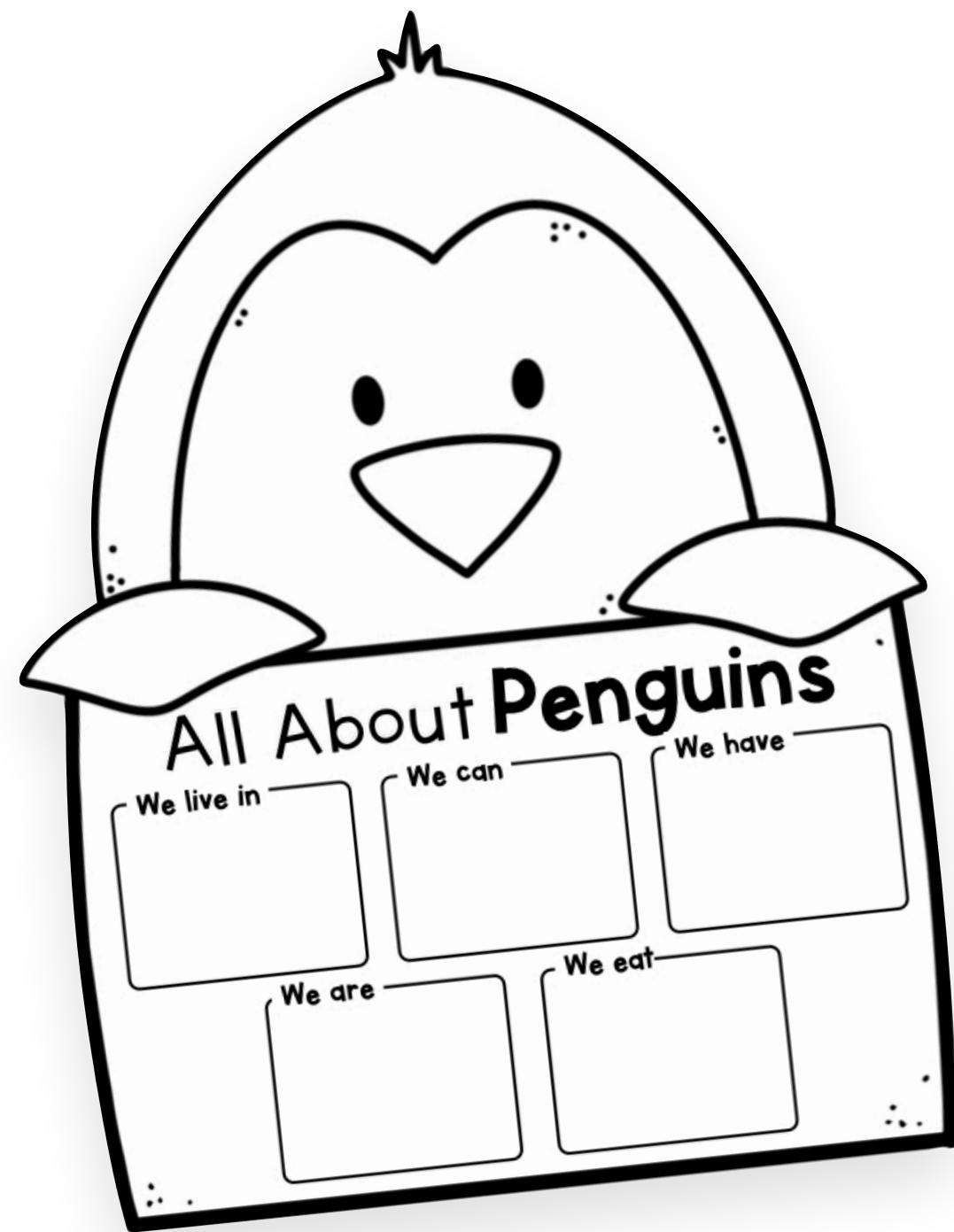


north and south pole

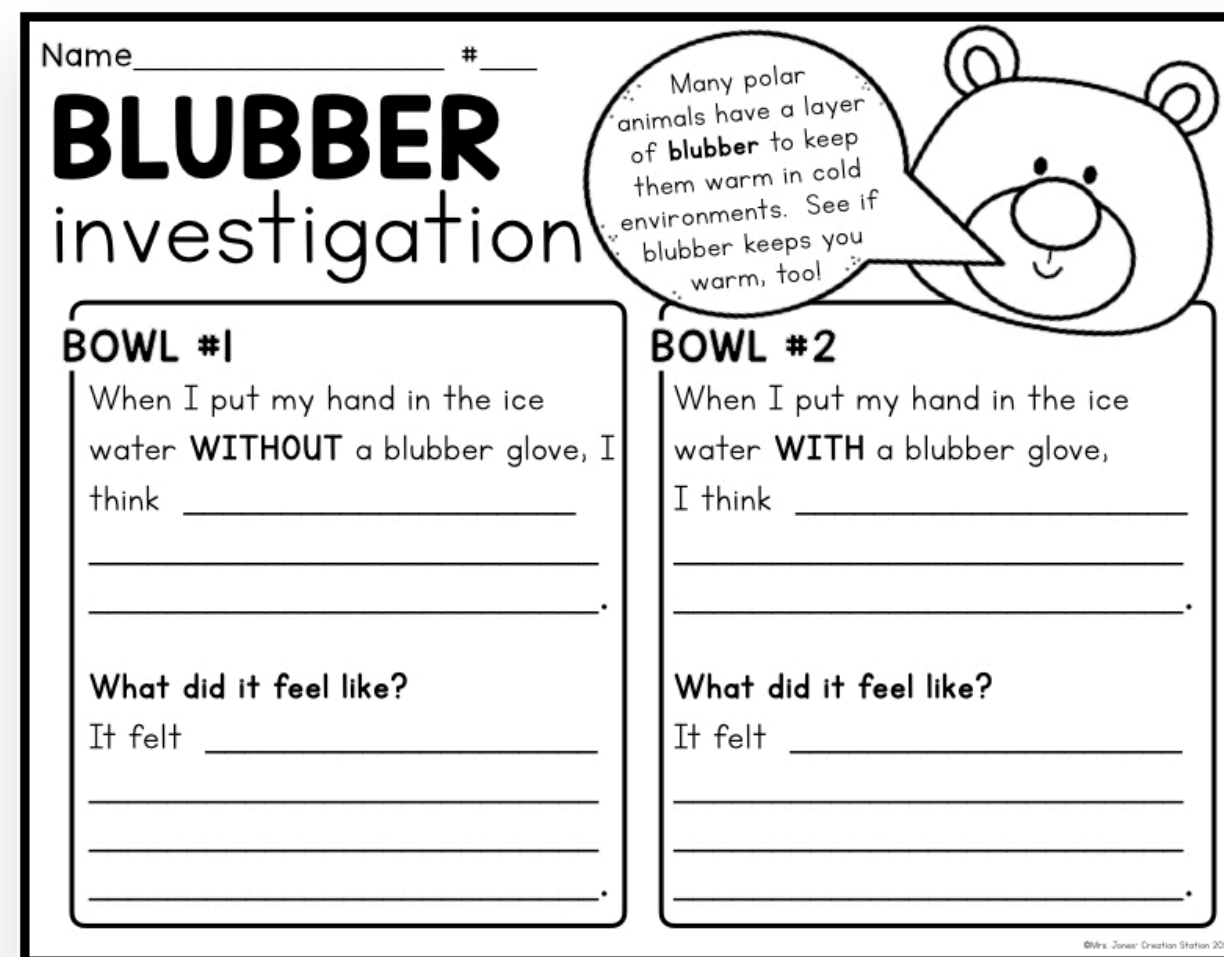


polar bears

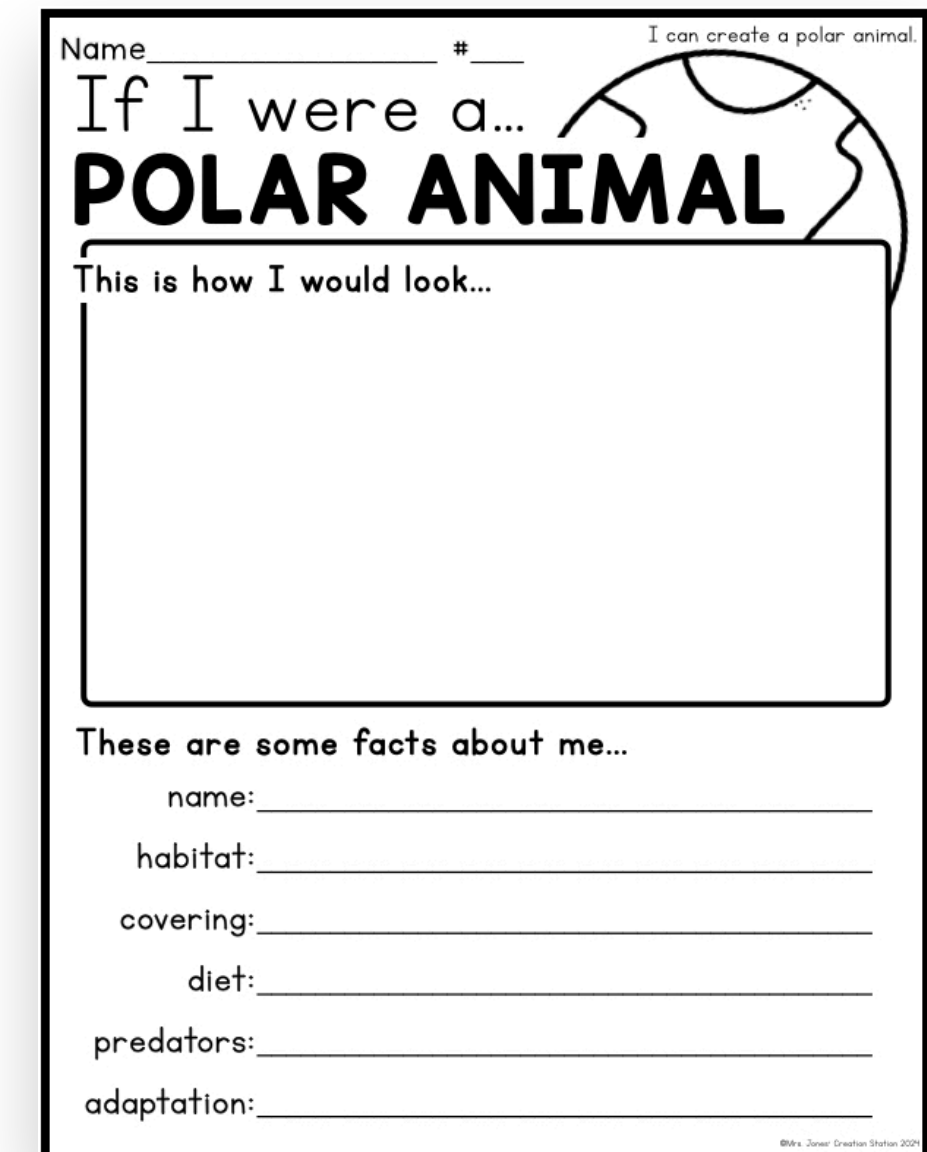
# THEMATIC activities



penguins



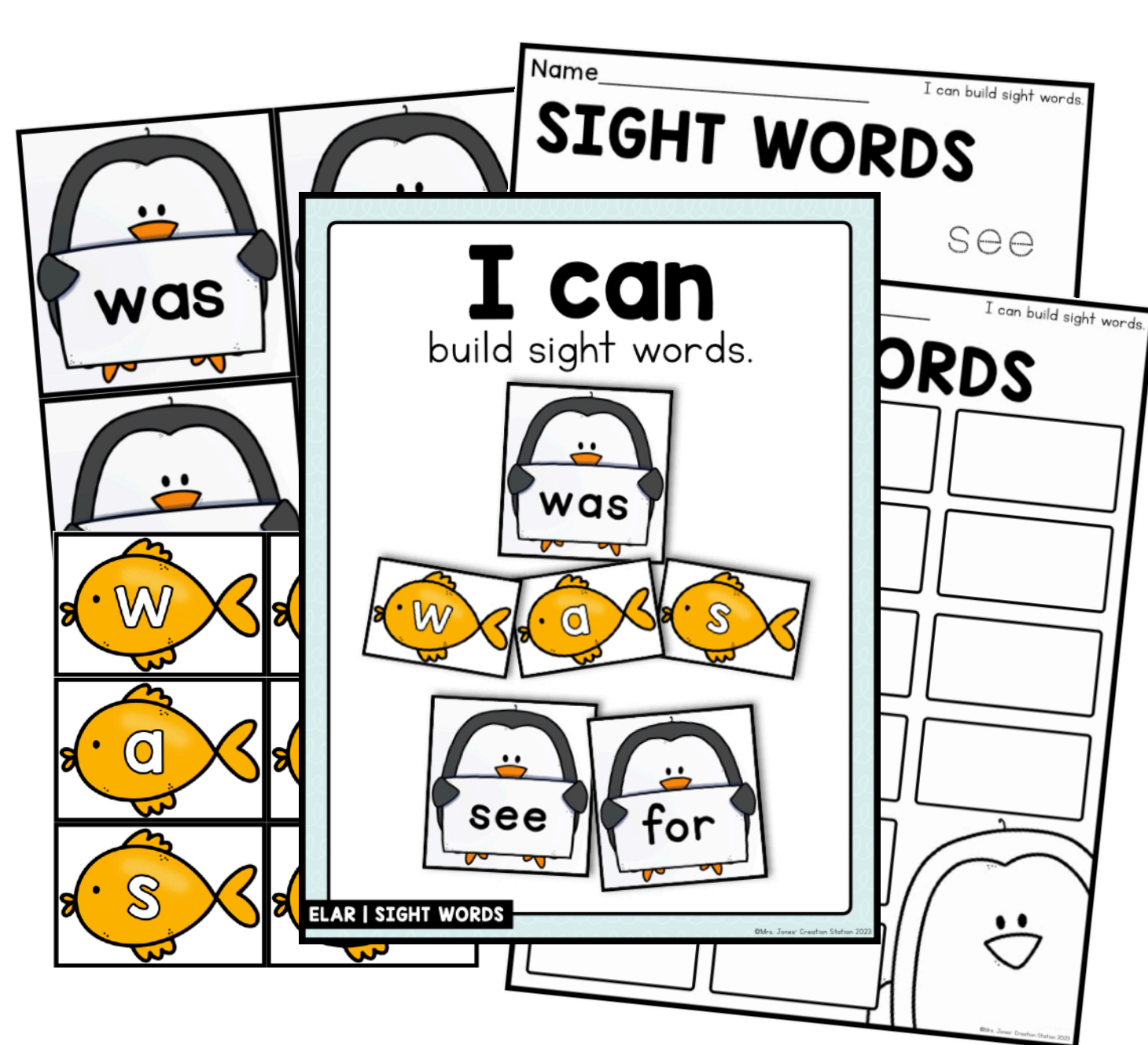
adaptations



polar animals



# LITERACY centers



magnet



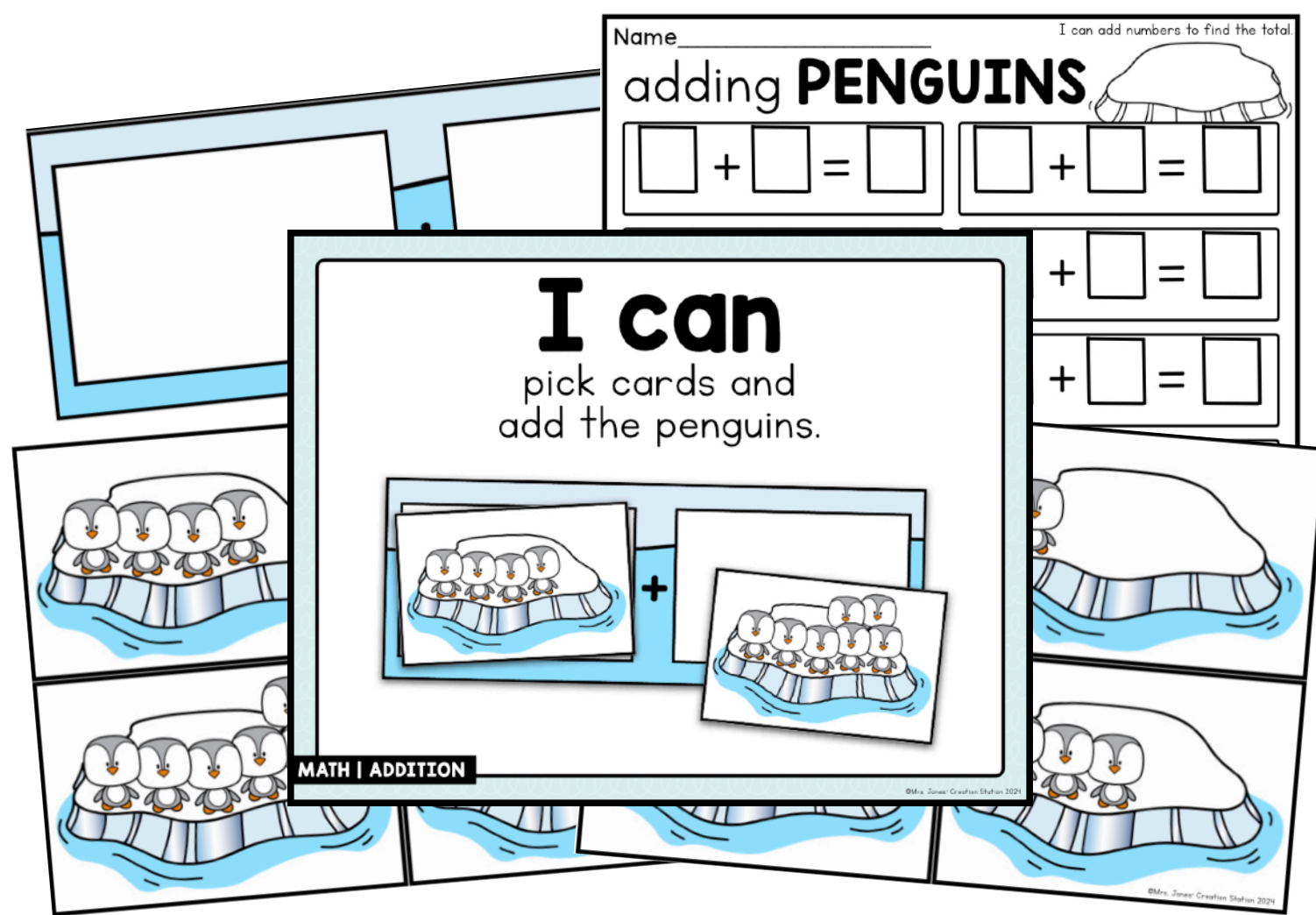
clip cards



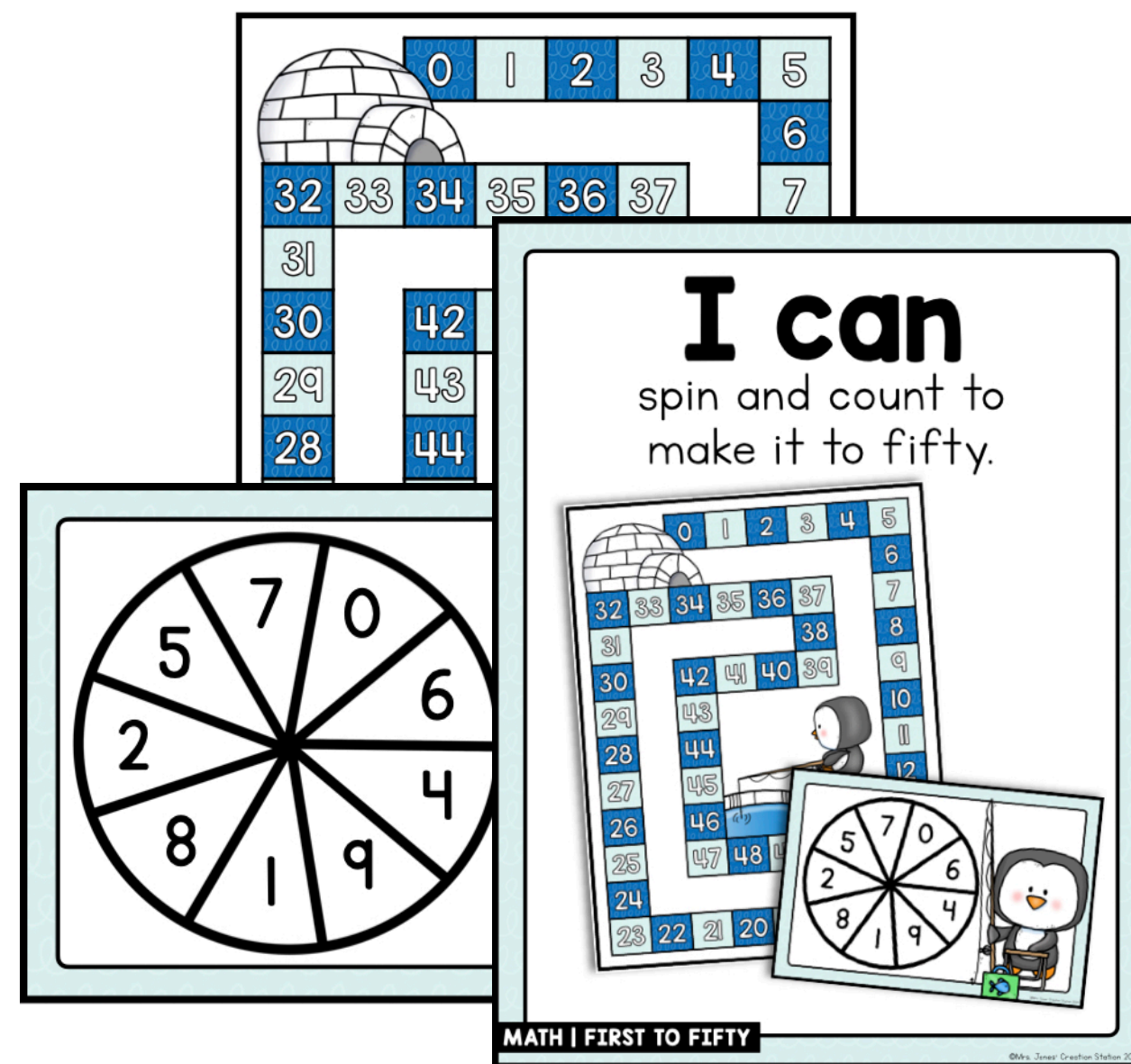
write the room



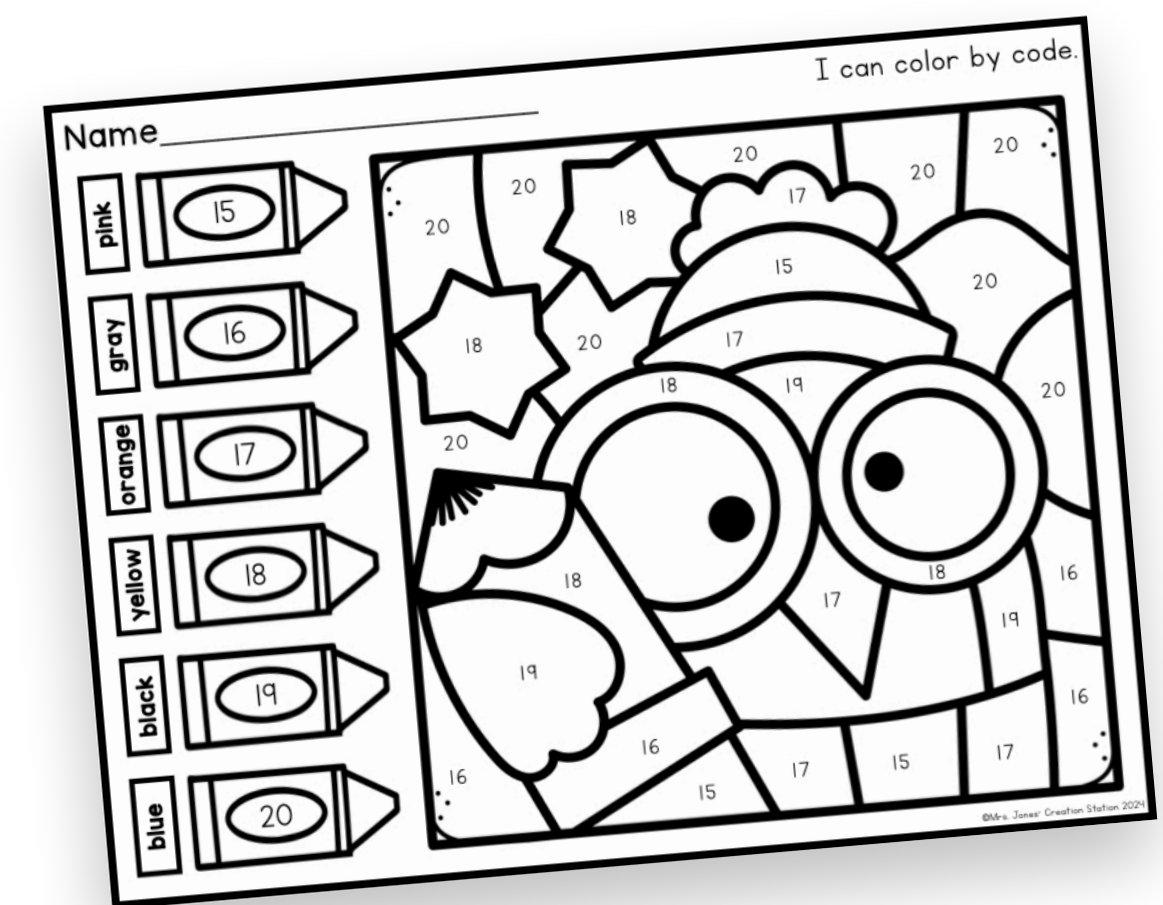
# MATH centers



addition



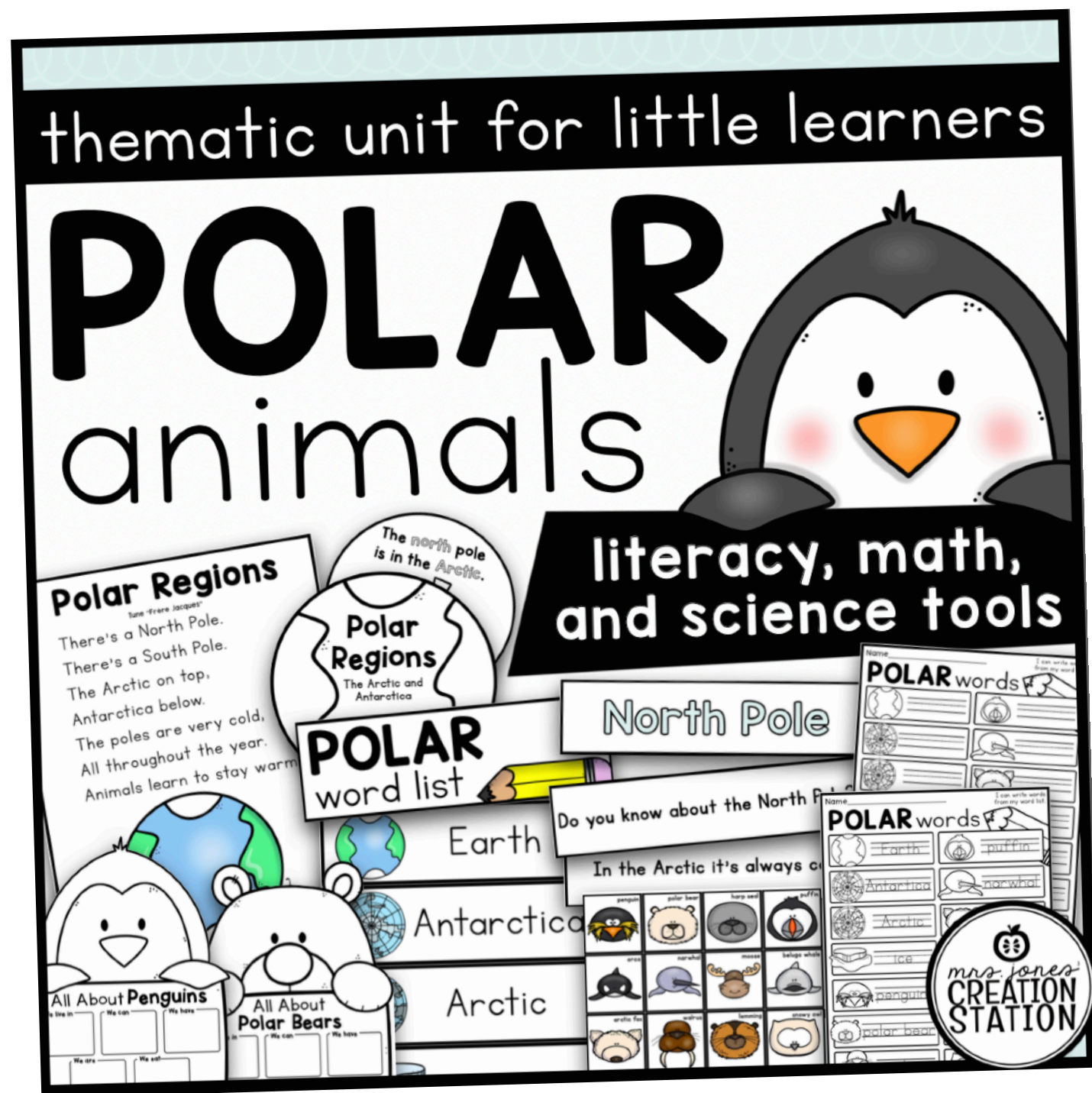
game



color by number



# WHAT teachers say



We printed off the picture cards of the polar animals and we used them on the word board. The kids loved looking at them throughout the day. We laminated them and placed them in our science center for the kids to use a resources.

-Emily H.



My students loved using this resource during different parts of our day. This resource helped with their fascination with polar animals. It was simple to prepare. Thank you so much!

-Kelly J



This really helped me consolidate my lessons on Polar Animals! My class loved it!

-Jennifer M.