## GETTING STARTED with POLAR BEARS

Your students are going to love learning all about polar bears through hands—on exploration with real world connections, and you are going to love all that is packed in this Polar Bear Unit! This overview is set up to show you everything that is included and how it can be used best. Pick and choose what works for you and your students.



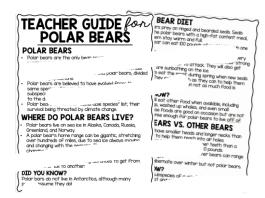
#### **LESSON PLANS**

These comprehensive lesson plans are ready for you to integrate polar bears into every aspect of your classroom. Our plans are also perfect for supplementing an existing curriculum or pulling just-right engaging activities when you are short on time.



#### AT-HOME LETTER

Send home these notes and let families know what their children are learning about in science. This letter also includes ideas for families to extend the learning at home.



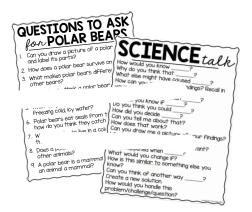
### TEACHER GUIDE

Everything you need to know about polar bears is ready for you in this guide. When students want to dig deeper, you will be prepared with fun facts to keep their interest and deepen their knowledge.



#### **SCIENCE CENTER**

Use this guide for tips on how to set up your science center and keep students motivated to enter the science center each day to make new discoveries.



### **QUESTIONS**

Encourage your students' natural curiosities with questions regarding polar bears. You may also print off the provided list of open-ended questions that can be used with any science lesson to encourage "science talk" with your class.



### **BOOK LIST**

To make planning easy, we have curated a list of our favorite polar bear books that will engage your students while they learn new information.



### **VIDEO LIST**

To make planning easy, we have curated a list of our favorite polar bear videos. Each picture is linked to the corresponding video.



#### SONG LIST

Our song list is linked and ready to use with your students. You can show them the video with the song, or simply play the song in the background during center time, dismissal, clean-up, or any other transition during the day.

### LESSON CONTENT FONDLAR BEARS



### POLAR BEAR FACTS POWERPOINT

This includes a PowerPoint to project on a smartboard and printable posters to use as a big book or display in your science center.



### POLAR BEARS EMERGENT READER

Students can practice one-to-one correspondence while reading this easy reader. After reading the book in whole group, copies can be put in the reading center or sent home for extra practice.



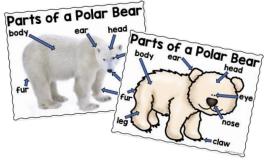
### QUESTION OF THE WEEK

Choose from one of these questions to engage your students, pique their interest, and get them talking about polar bears!



#### CAN-HAVE-ARE ACTIVITY

After learning about polar bears, complete this Can-Have-Are chart as a whole group or independently.



### PARTS OF A POLAR BEAR POSTERS

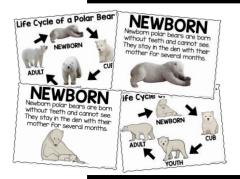
With both clipart and real-life options, use these posters to show your students the different parts of a polar bear.

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### PARTS OF A POLAR BEAR WORKSHEETS

After teaching your students about the parts of a polar bear, use these different worksheet options for them to show what they know.



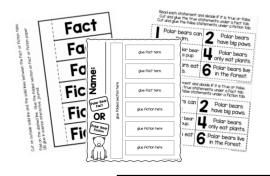
### LIFE CYCLE POSTERS

Use these posters to teach your students about the polar bear life cycle. Use either or both versions, one with clipart and one with real-life photos.



### LIFE CYCLE WORKSHEET

Students can show what they know about the order of the polar bear life cycle with this activity.



### POLAR BEAR FACT OR FICTION

After reviewing the Polar Bear Facts PowerPoint, students can complete this flip book activity, sorting fact from fiction.



### POLAR BEAR FACTS OR ANIMAL RESEARCH CRAFT

Use the craft template and research sheet options to have your students show what they have learned about polar bears during the unit with this craft/research project combination

# BONUS MATERIALS PONPOLAR BEARS



#### **WRITING CENTER**

Set up your writing center with word cards and writing papers that meet the needs of your students. Need all uppercase letters or just lowercase? No writing lines or list writing paper? There is something for every learner.



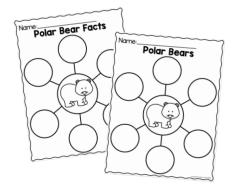
### **DEFINITION POSTERS**

These posters use real-life pictures and simple definitions that are easy for students to understand. Hang them up in your science center, add new ones to your whole group area each day, or project on your smart board.



### **WORD WALL**

Add the new vocabulary you are introducing to your students throughout the week to the word wall. Students can refer to these words throughout the year.



### CIRCLE MAPS

Use these circle maps when introducing polar bears to see what your students know, or after you teach the unit for them to demonstrate their new knowledge. These can be used individually, as a graphic organizer, or as a whole group activity.

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### **POLAR BEAR CRAFT**

This polar bear craft is easy to make and doubles as a fine motor activity. Use this craft to culminate the unit or as an adorable bulletin board idea!



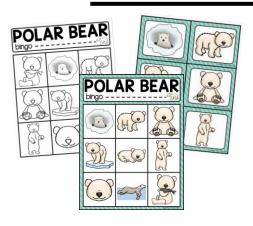
#### POLAR BEAR FINGERPLAY

Use this Fingerplay to transition throughout the unit. Put a copy in the library center for students to practice.



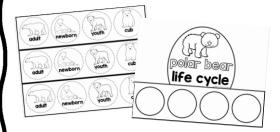
### LITTLE POLAR BEAR EMERGENT READER

Students can practice one-to-one correspondence while reading this easy reader. After reading the book in whole group, copies can be put in the reading center or sent home for extra practice.



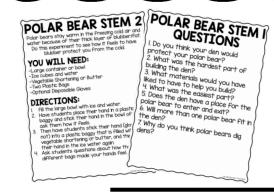
### POLAR BEAR BINGO

Add this Polar Bear Bingo to your lesson plans as a fun way to practice listening skills. Prep for Fun Friday or have a volunteer play with students at a center. Bingo boards and calling cards are included in color or black & white.



### LIFE CYCLE HAT

Students can show what they know about the order of the polar bear life cycle with this fun hat



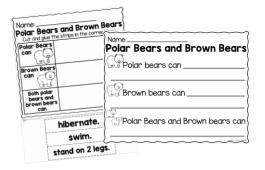
### STEM CENTERS

Use these STEM activity ideas throughout your animal study. Complete the activity as a whole group or place the materials in a center and let your students explore.



### POLAR BEARS AND BROWN BEARS POWERPOINT

Use this bonus PowerPoint and posters to discuss the similarities and differences of polar bears and brown bears.



### POLAR BEARS AND BROWN BEARS WORKSHEETS

After discussing the similarities and differences between polar bears and brown bears, students can show what they know using these worksheets.



### HIBERNATE OR NOT SORT

Use this sort to discuss and learn about the different animals that hibernate, while also discussing those that migrate and the different ways animals adapt to their environments.



#### HIBERNATE WORKSHEET

After completing the whole group sort and discussing animals that hibernate, students can independently complete this sort worksheet to show what they have learned.