



PRIMARY THEME PARK

Theme & Unit Resources for the Elementary Classroom

Thank you for your download! I hope the activities provided within are a great new resource for your classroom.

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If you have any questions or need any minor changes, please email me at primarythemepark@gmail.com.

Thanks, again! I hope this is your best year of teaching yet!

Stephanie Trapp



I'd love to share more ideas and resources with you! Stop by my blog, [Primary Theme Park](http://www.primarythemepark.com), for activities, ideas and free printables for the elementary classroom.

Let's Connect!



Create a Polar Bear Den

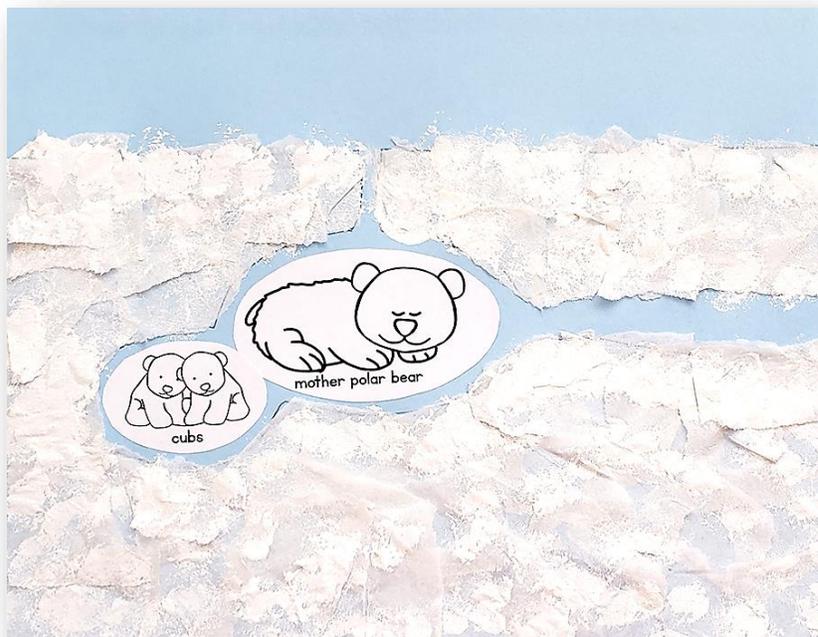
Suggested Building Materials:

Provide any of these materials or use other materials of your choice.

- polar bear and cubs template
- construction paper
- liquid glue
- stick glue
- paintbrush
- tape
- scissors
- crayons or markers
- pencil
- pom pom ball (optional)
- clothespin (optional)

Possible items for snow:

- torn white printer paper
- torn white tissue paper
- torn white napkins
- white paint
- cotton balls



Directions:

Students may work individually, in pairs or small groups to complete the challenge.

1. Give each student or group a polar bear and cubs template. Present students with the problem: **Can you design a den for the polar bear and her cubs?**
2. Show students a diagram of a polar bear's den and discuss its parts. Here's one found online: (look under the section "Do polar bears hibernate?")
<https://www.atozkidsstuff.com/polarbears.html>
3. Go over the list of materials students will use.
4. Have students think about, discuss and plan how to best use the materials to create a den for the polar bears. Depending on the level of your students, you might give them three criteria to meet in building their dens:
 - It must have an entrance. (Show a way for the polar bears to get in and out.)
 - It must have an air hole. (Show a way for the polar bears to get air from outside the den.)
 - The polar bears must be enclosed on all sides by snow. (Show snow all around the polar bears. Don't create the den at the bottom of the page.)

You might prompt students to consider if they should glue the polar bears on the paper first and then build the den around them, or build the den first and then add the polar bears. Would it help to draw the den in pencil first?

Create a Polar Bear Den

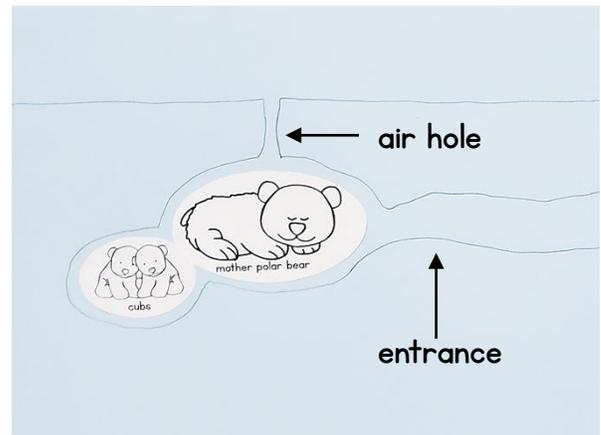
Directions:

5. Give students time to create their dens.
6. Ask students to evaluate their design and the creating process. Talk about what things worked well and what didn't work.
7. Guide students to reflect on their learning. What did they learn about polar bears or polar bear dens from this challenge?

Note: Young students might just glue the bears on construction paper and paint around them. Older or more advanced students might be able to follow the three set criteria and create a more elaborate den. Adjust this activity to fit the needs of your students.



Young students might just paint around the bears. One option is to use a pom pom ball held with a clothespin as a paintbrush. Dip it in paint and press on it on the paper to make the snow.



You might suggest that students first use a pencil to draw their den on the paper.

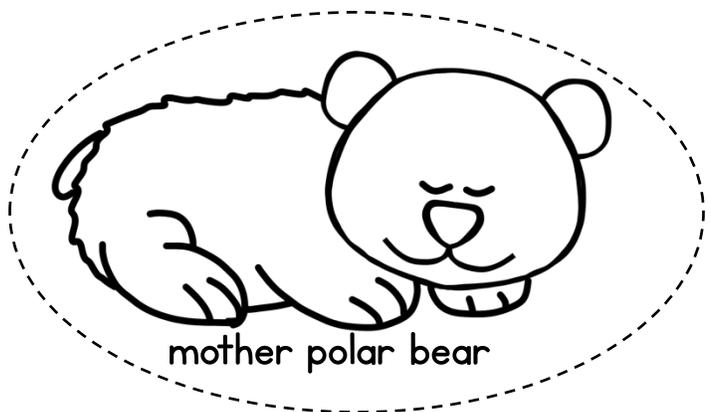
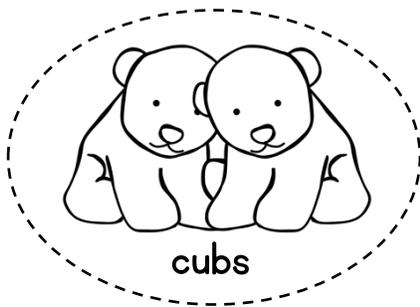
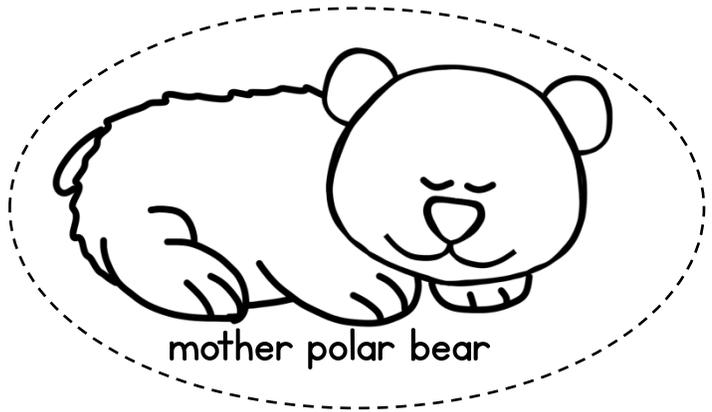
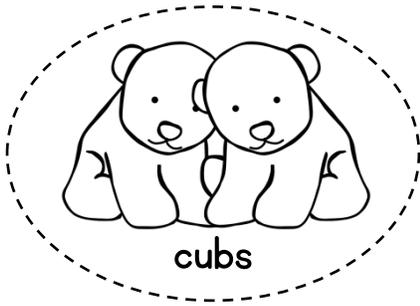
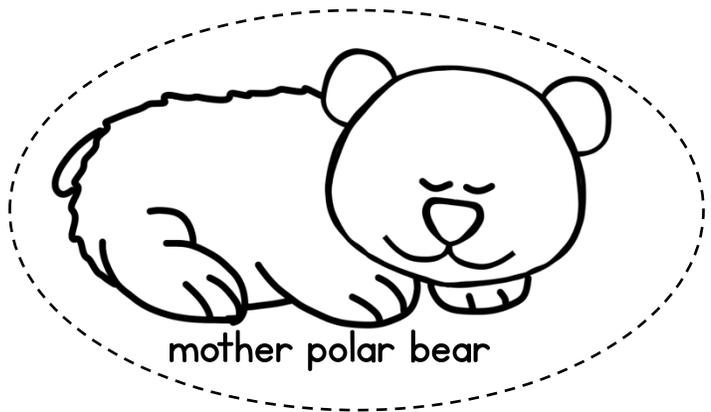
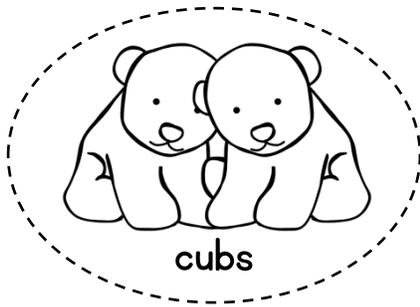
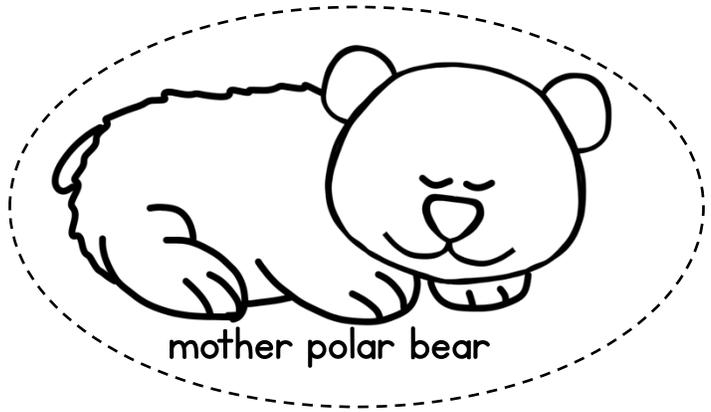
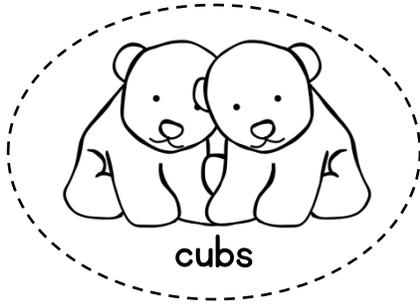


white paint dotted with a pom pom and clothespin



Torn tissue paper dotted with white paint

Polar Bears for STEAM Challenge



Name: _____

Polar Bear STEAM Challenge

Problem: Design a den for a polar bear and her cubs.



What is your plan? What materials will you use?

Plan



What does your den look like?

Create



How did it go?



Evaluate

Name: _____

Polar Bear STEAM Challenge

Problem: Design a den for a polar bear and her cubs.



What is your plan? What materials will you use?

Plan



What does your den look like?

Build



Does it show a way for the bears to get in and out?



Does it show a way for the bears to get air?



Evaluate

Is there snow all around it?

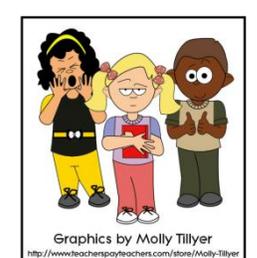
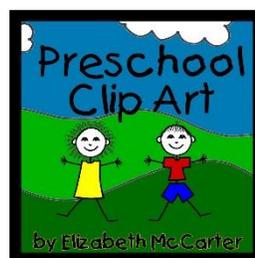
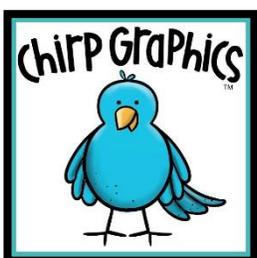
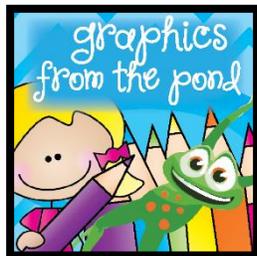


What did you learn?

Reflect

Graphics & Fonts

A special thank you to these talented artists for the use of their graphics and fonts. Click on the buttons to visit their stores.



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