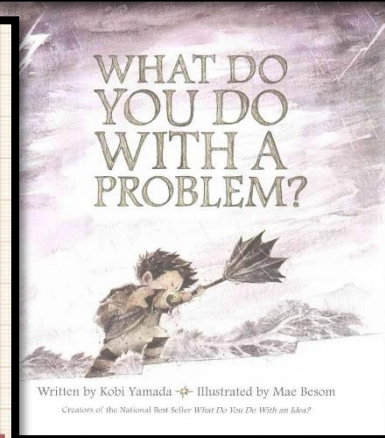
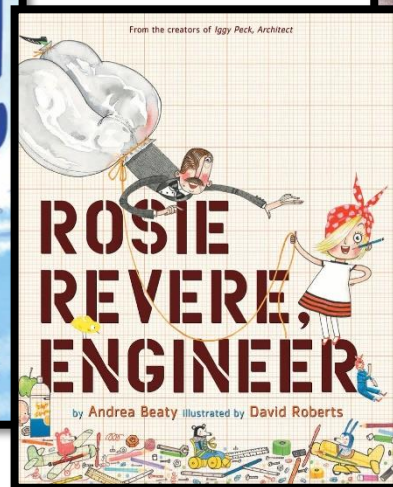
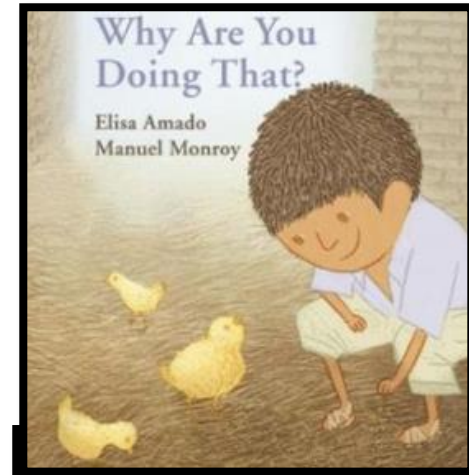
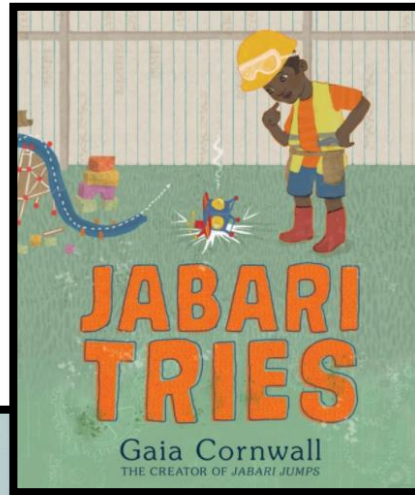
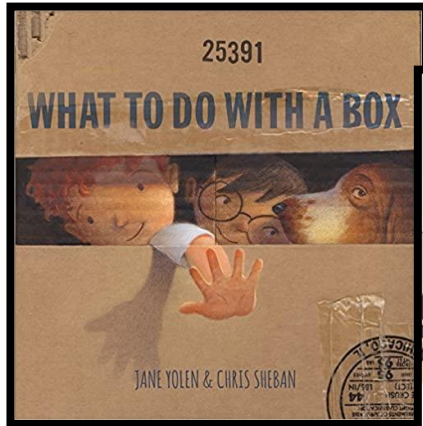
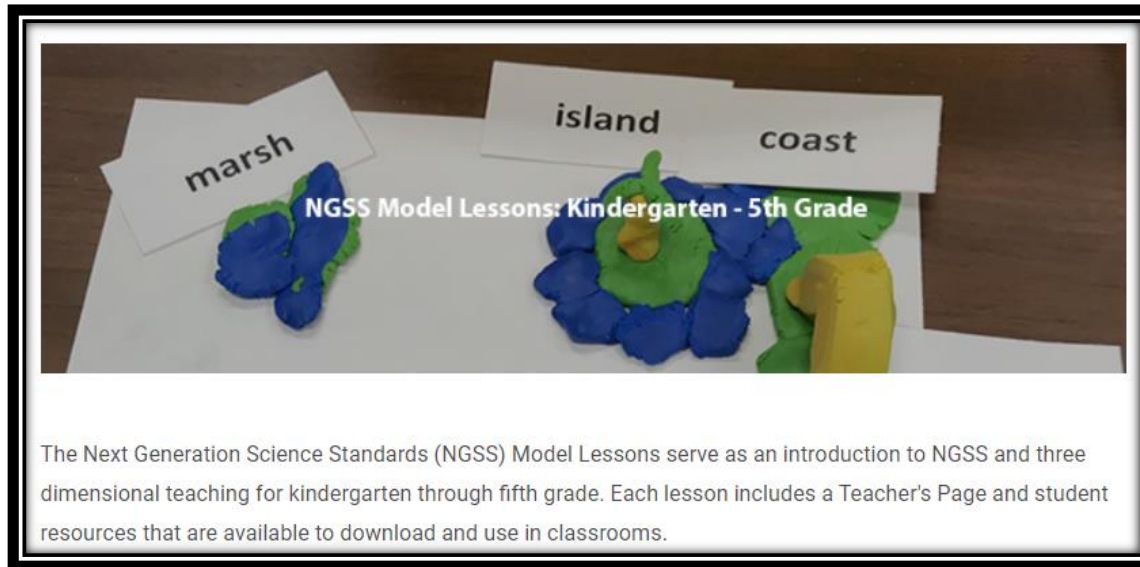


K-5 STEM Books & Lessons



Access to All Lessons

https://digitalcommons.imsa.edu/model_ngss_lessons/



Browse the *NGSS Model Lessons: Kindergarten - 5th Grade* Collections:

[Model NGSS Lessons: Kindergarten - 3rd Grade](#)

[Model NGSS Lessons: 4th - 5th Grade](#)

Kindergarten

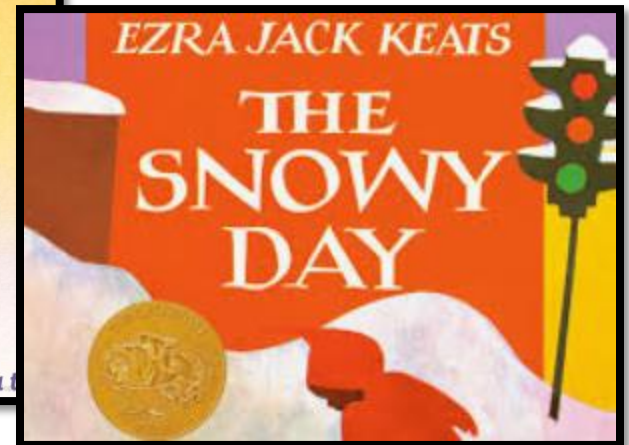
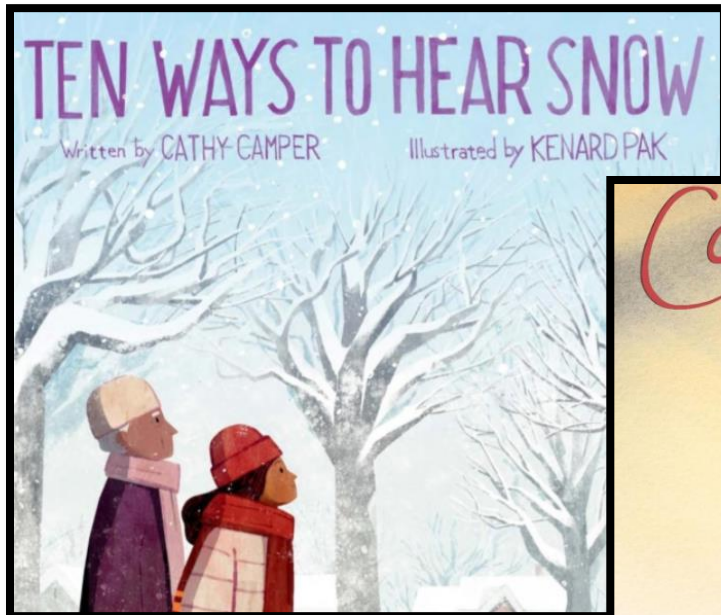
Winter Clothing Challenge

Which Shovel?

The Snowy Day by Ezra Jack Keats

Ten Ways to Hear Snow by Cathy Camper

Come on Rain! by Karen Hesse



Winter Fun



<http://localmontreal.com/wp-content/uploads/2016/01/Things-to-do-in-Montreal-with-Kids-old-post-skating.jpg>



https://img.webmd.com/dtmcms/live/webmd/consumer_assets/site_images/articles/health_tools/winter_activities_fit_kids_slideshow/fitkids_slideshow_winteractivities_01_w1.jpg



<https://i.pinimg.com/236x/c7/d2/ec/c7d2ec7e5804d3ed7485f8dbb203bfe6--kids-playing-healthy-kids.jpg>



<http://www.musictherapytunes.com/wp/wp-content/uploads/2013/01/cold-outside-on-sleigh1.jpg>

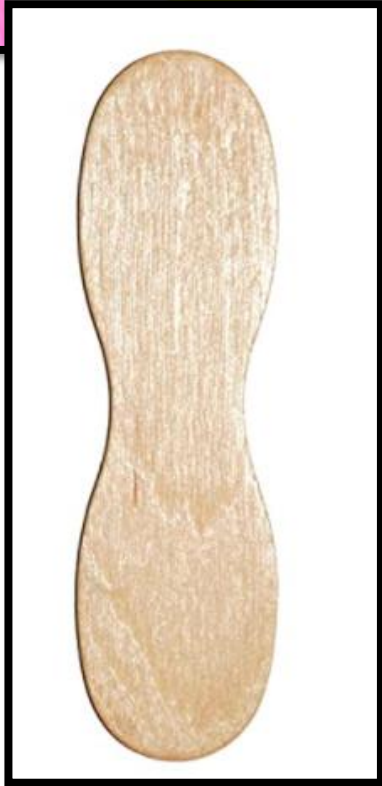


[http://i.amz.mshcdn.com/oQGzOVSte48Y6gNWsMihB4nmgul=/950x534/filters:quality\(90\)/2015/03/04/8a/CapitolSled.38c27.jpg](http://i.amz.mshcdn.com/oQGzOVSte48Y6gNWsMihB4nmgul=/950x534/filters:quality(90)/2015/03/04/8a/CapitolSled.38c27.jpg)



<https://www.charlotteonthecheap.com/lotc-cms/wp-content/uploads/2014/12/sledding-kids.jpg>



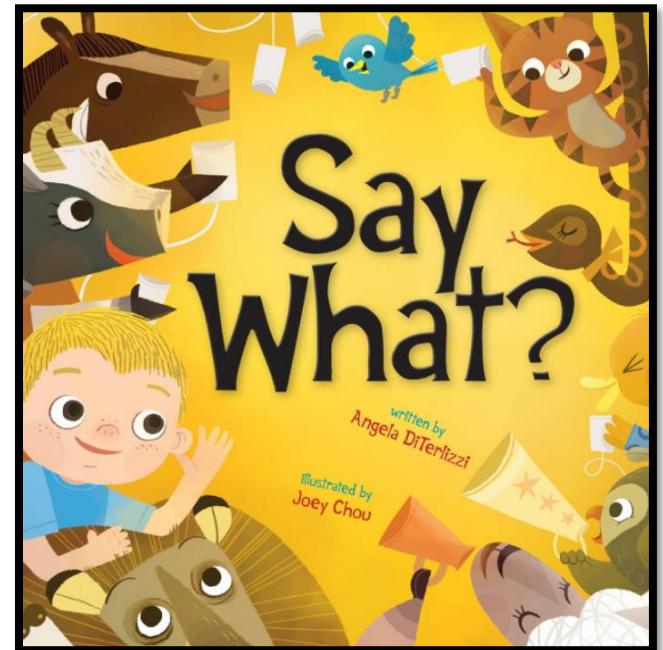
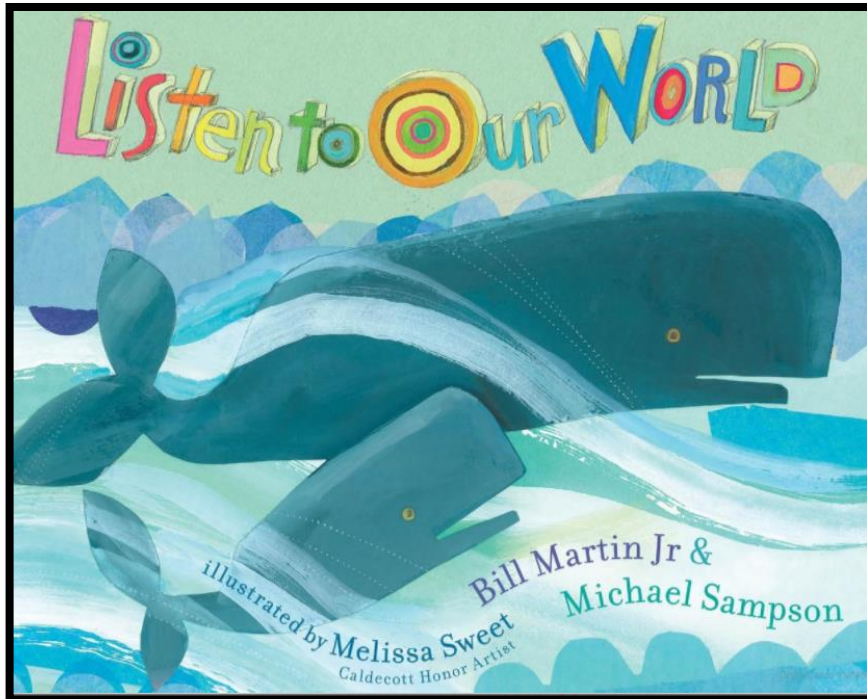











First Grade










What's That Sound?

Listen to Our World by Bill Martin Jr & Michael Sampson

Say What? by Angela DiTerlizzi



 Walking	 Bird	 Cat
 Water	 Bell	 Helicopter
 Glass	 Bus	 Horn

 Bird	 Walking	 Bus
 Water	 Glass	 Helicopter
 Bell	 Cat	 Horn

What's That Sound?











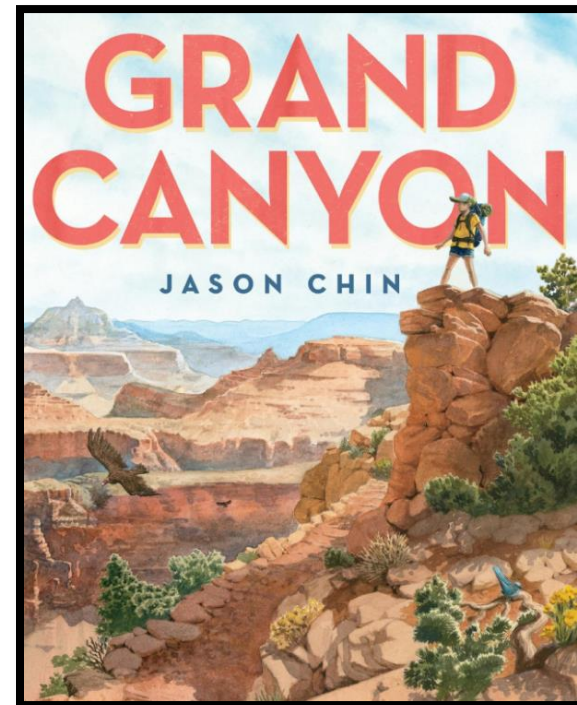
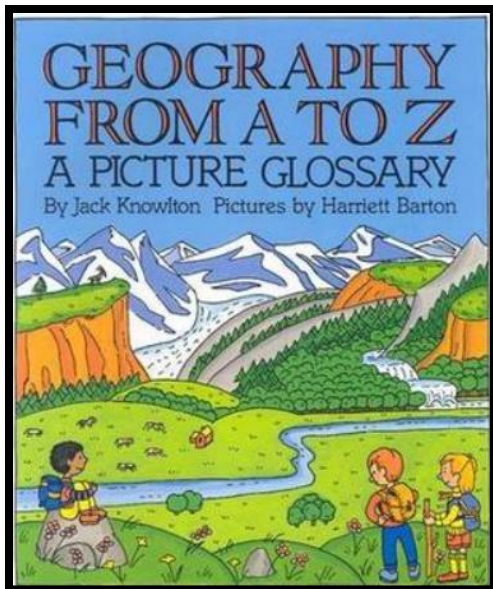
Second Grade

Map It!

Maps with lakes, rivers, mountains, and so on

Geography from A to Z A Picture Glossary by Jack Knowlton

Grand Canyon by Jason Chin

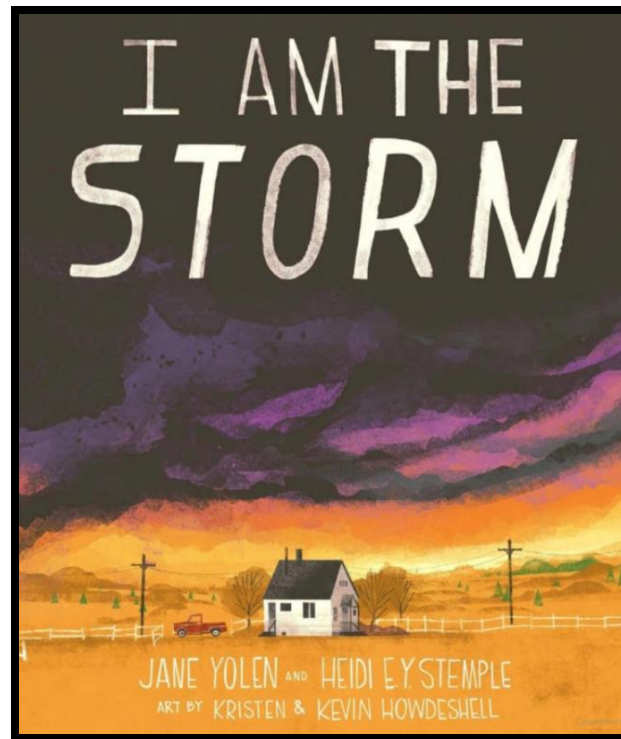




Third Grade

Protecting From The Weather

I Am The Storm by Jane Yolen and Heidi E. Y. Stemple





Lake Delton, WI

<http://www.wisdells.com/wisconsin-dells-area/lodging/Lake-Delton-Waterfront-Villas.htm>

Flooding caused a dam to break
and the lake to drain

Lake



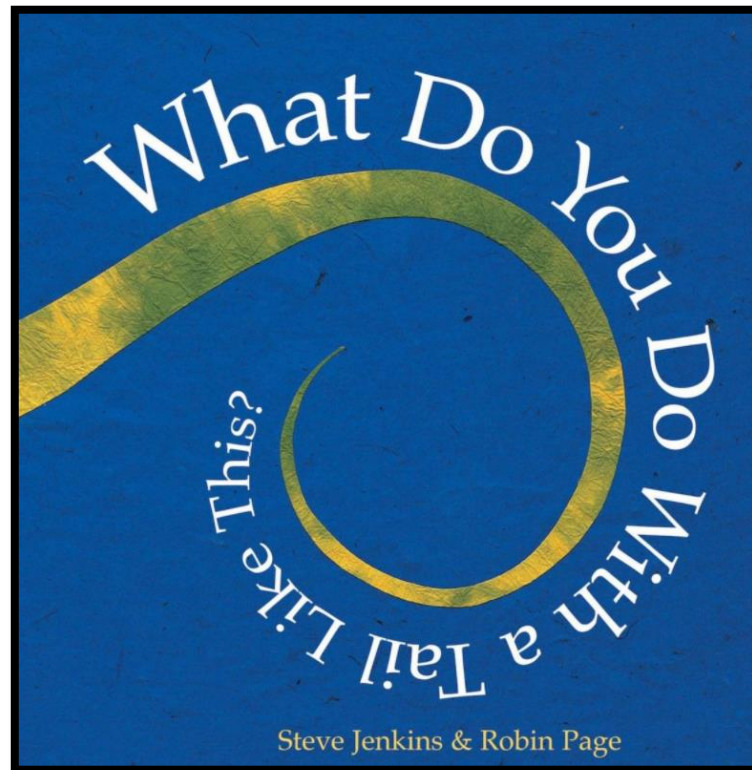
<https://www.lakejunaluska.com/>

One gallon of water weighs 8.34
pounds

Fourth Grade

Structure and Function: Internal and External

What do You Do With a Tail Like This? by Robin Page
and Steve Jenkins

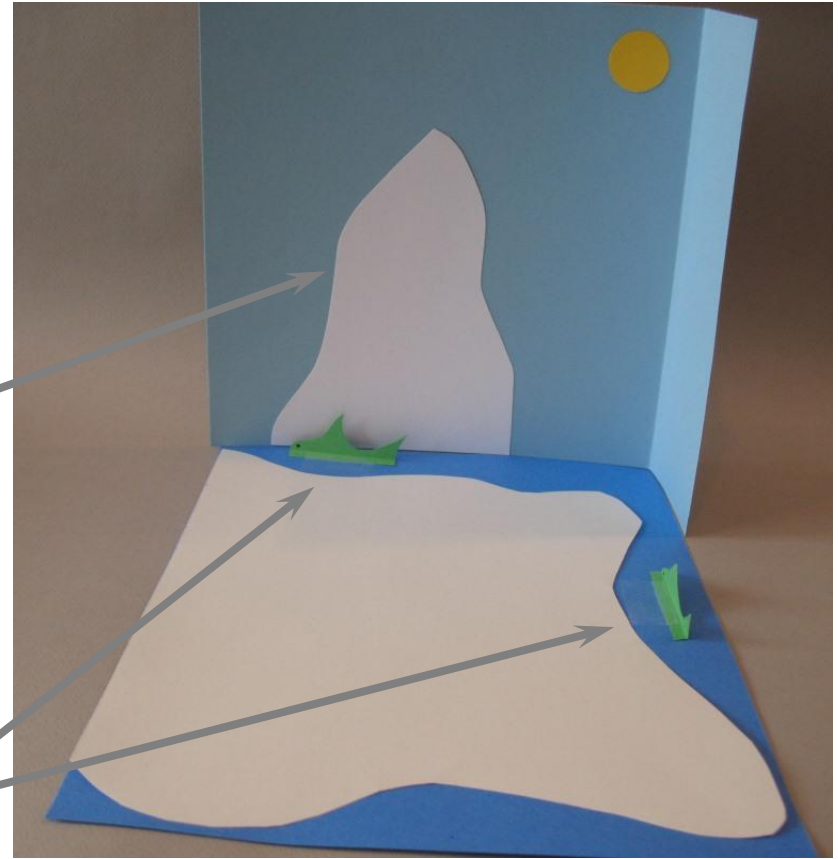


Biome: arctic ice

Time: day

Iceberg ... because it looks cool.

Green Fishies are a good food source.



Arctic Snark

Tail helps it balance while lunging for Green Fishies.

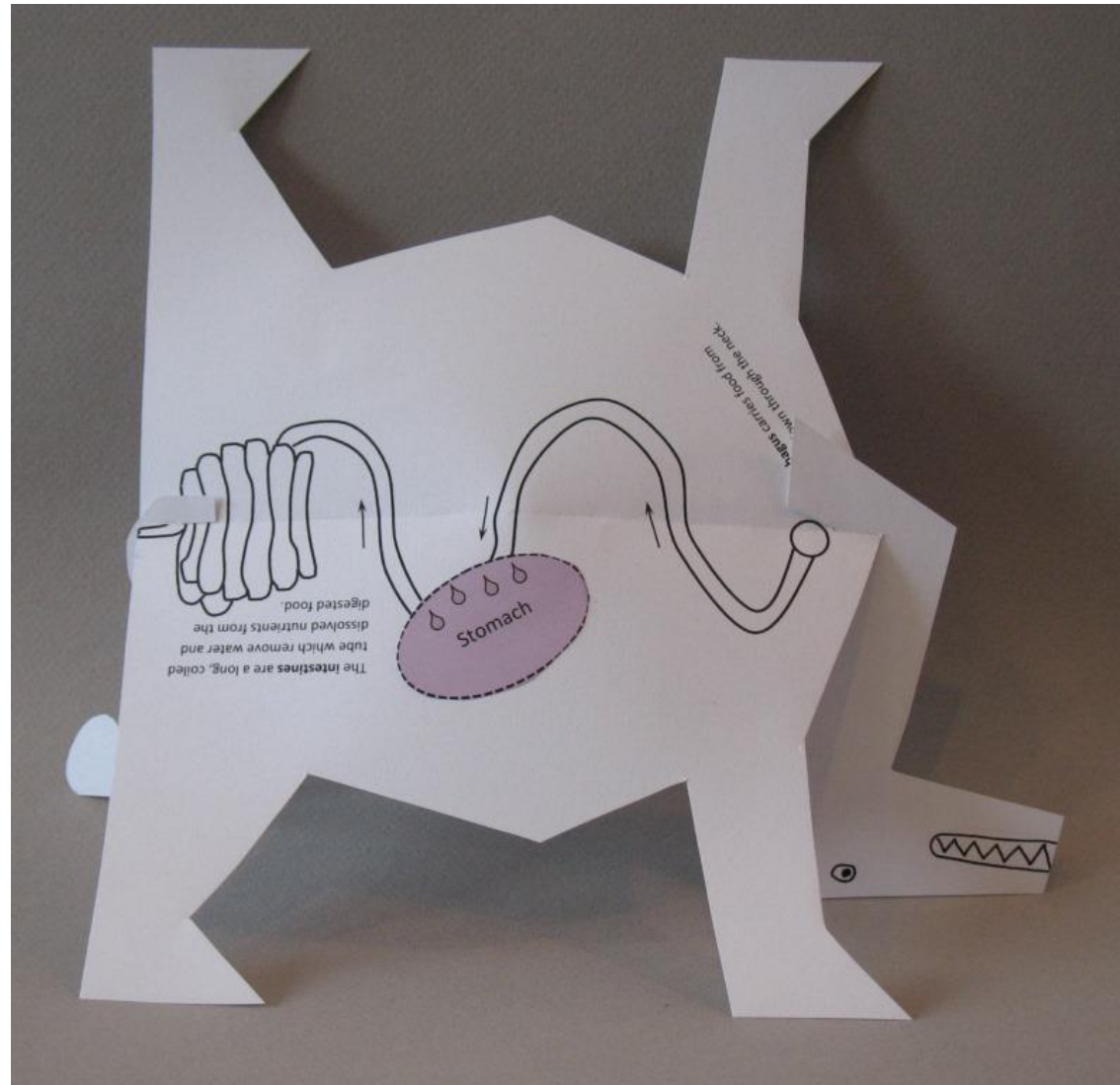
(Thin tails are not good in the cold. How could we add fur?)

Long neck and sharp teeth help to reach and catch food.



Arctic Snark

Carnivores don't need much to digest food. A stomach and intestines are enough.



Biome: forest
Time: night

Leaves on trees and bushes could be food.

A dangerous carnivore lurks in the darkness.



Moon Moople

Large eyes to see at night.

Flat teeth for chewing leaves.

A spiked tail to deal with hungry carnivores.

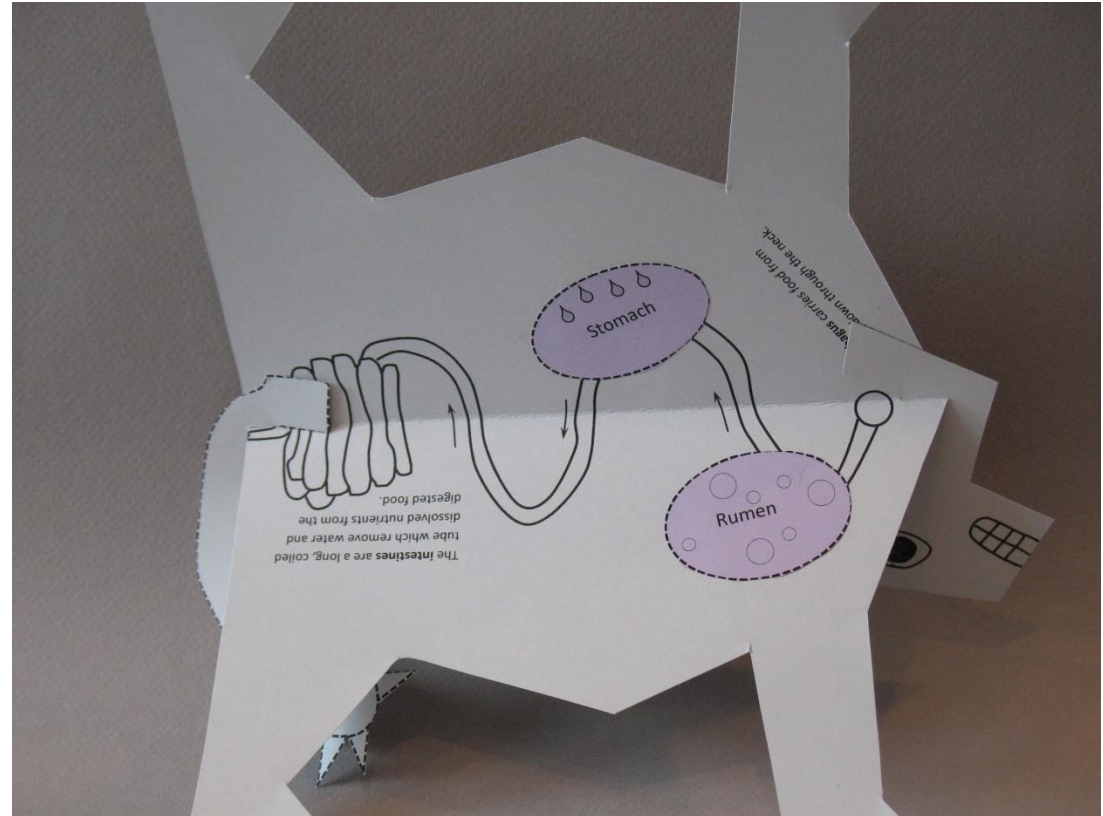
Big ears to hear other mooples sing the Full Moon Song ~~~

Is it mating time?



Moon Moople

Leaves are hard to digest. A rumen allows bacteria to break down plant fibers.

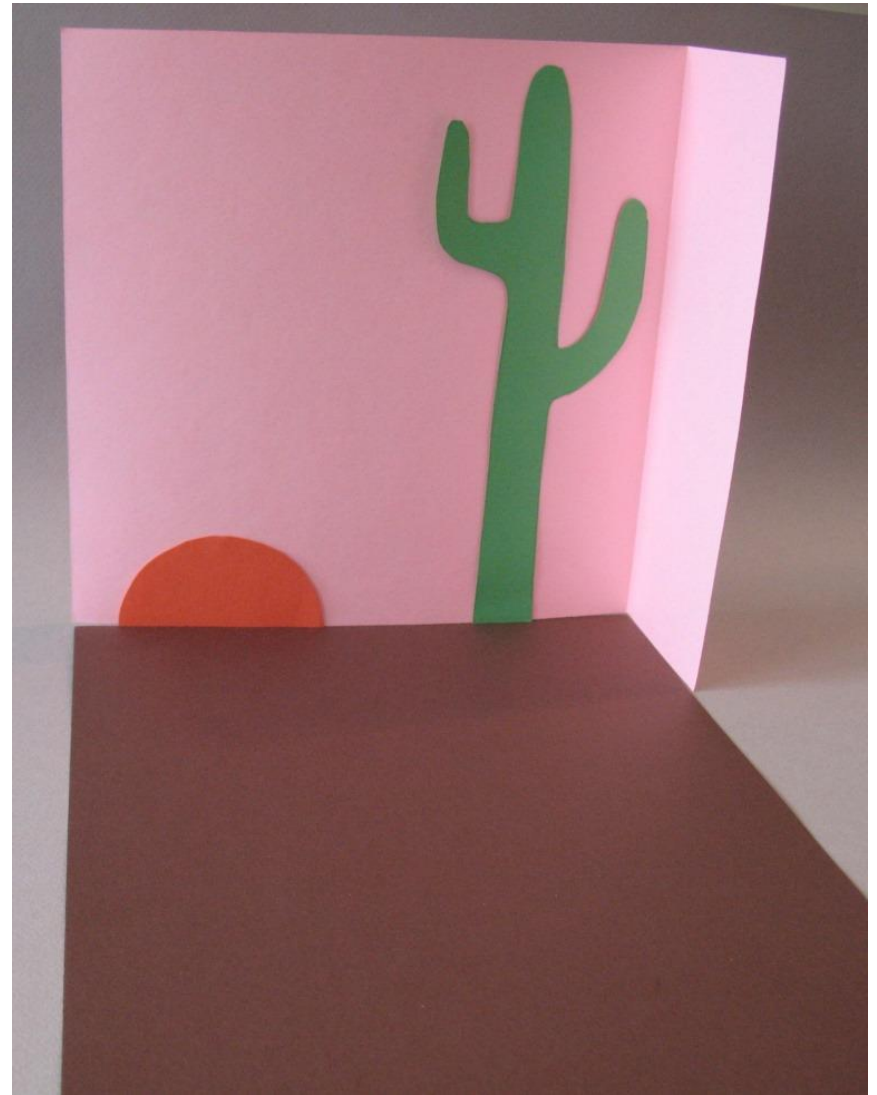


Biome: desert

Time: dawn

Can any animal eat a cactus?

It will have to do so before the day becomes too hot.



Sand Snizzle

Tough beak for eating cacti.

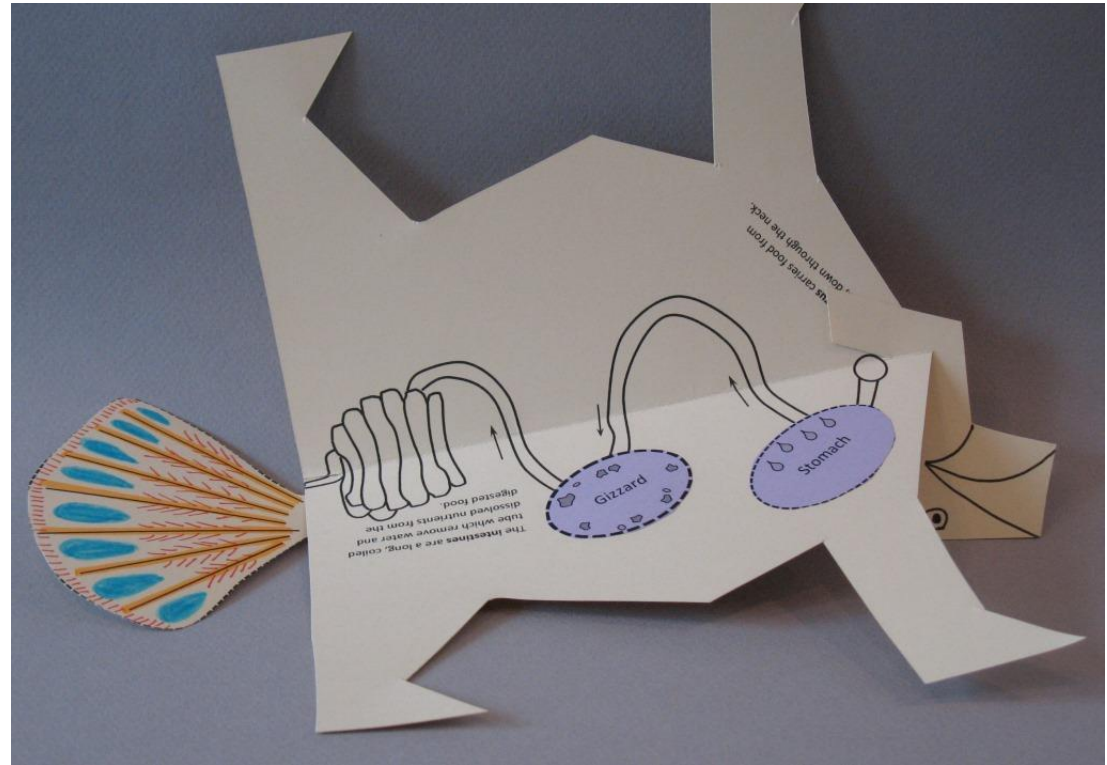
Flashy tail to grab the attention of potential mates. This display says “Check me out. I am the best snizzle in the canyon”.

Do you think that flashy tail might attract predators too? Is looking great worth the danger?

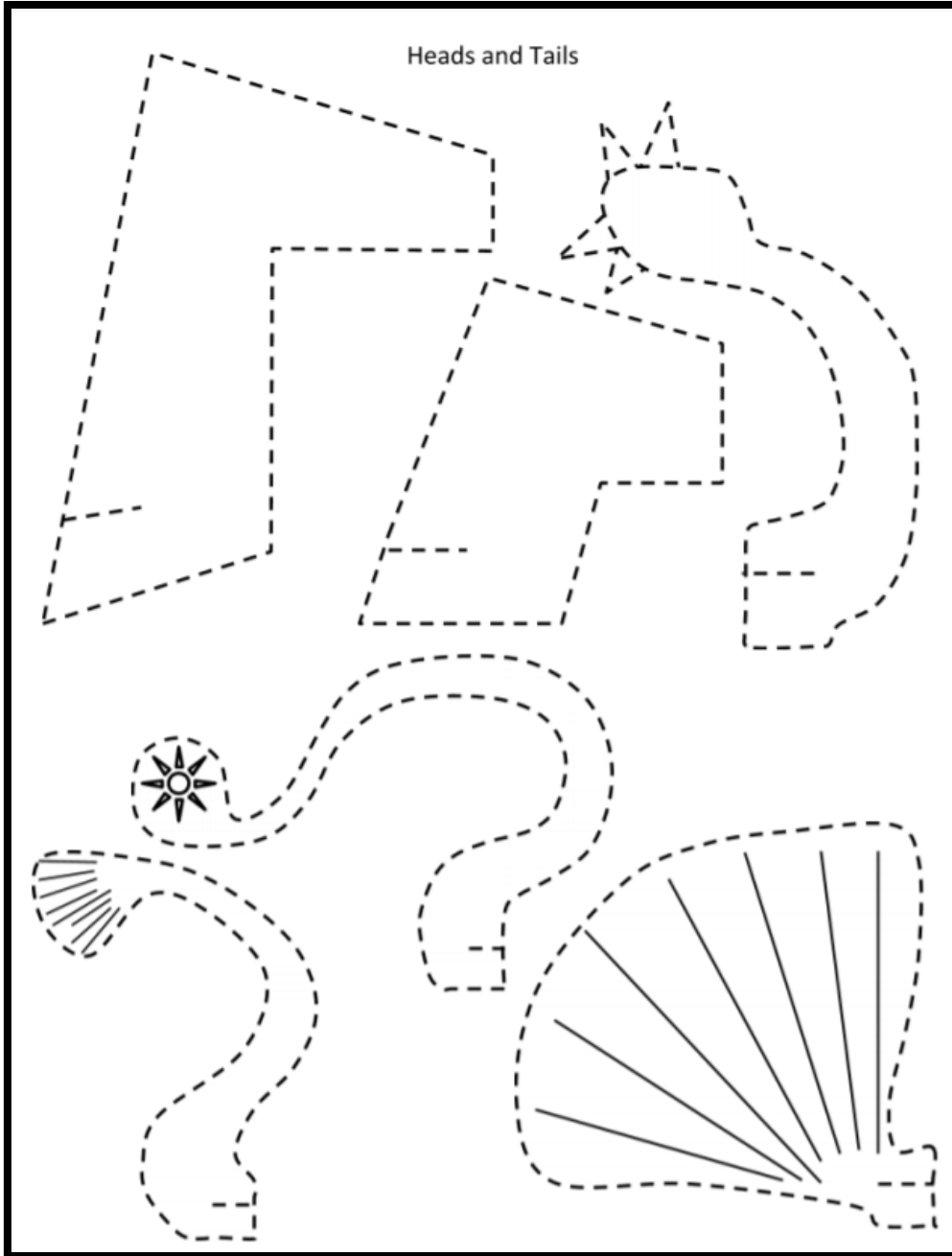


Sand Snizzle

Beaks allow an animal to tear and swallow, but not to chew. A gizzard helps grind tough food. The snizzle has swallowed some pebbles to help its gizzard grind cactus skins.



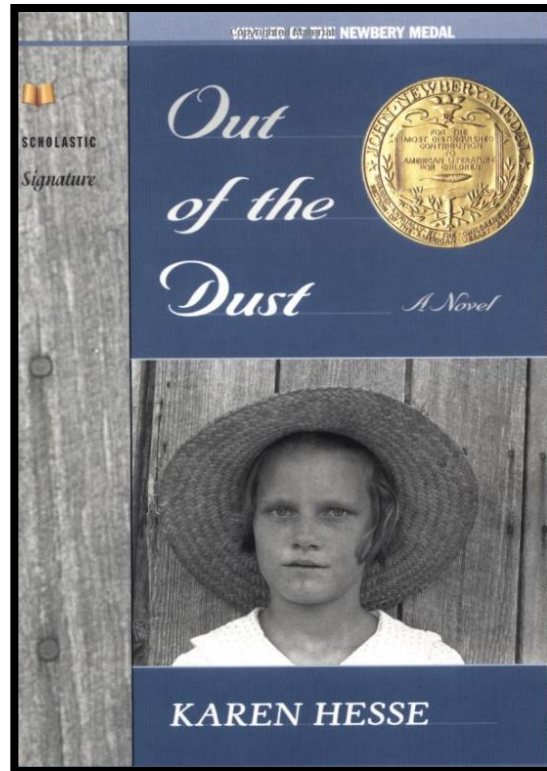
Heads and Tails



Fifth Grade

Oil Spills and Dust Bowls

Out of the Dust by Karen Hesse





APPROACHING DUST STORM IN MIDDLE WEST. #525 GONARD

Dust from the storms was heavy. People learned to sweep it from their roofs, but often forgot to clean it out of their attics. Many attics collapsed because the dust was several feet deep in their attics.

There was a lot of static electricity caused by dust storms. To make sure the car engines didn't short out, drivers often dragged chains behind their cars to ground them. You could be knocked from your feet by the static shock when you shook someone's hand.

Before being hit by the Dust Storms, the area known as the Dust Bowl had fertile soil. This area is made up of western Kansas, eastern Colorado and New Mexico, and the panhandle regions of Texas and Oklahoma

Native plants were also dug up and replaced with plants that had shorter roots that didn't hold onto the soil.



<https://msgforlove.com/funny-thank-you-meme-images/>

Liz Martinez emartinez@imsa.edu