

Mini-lessons, songs and workstation activities for

**Bones!
Bones!
Bones!**

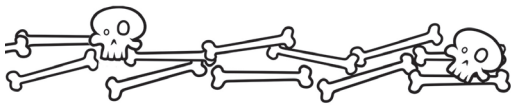
**GIVE ME BACK
MY BONES**
written by Kim Norman

Cover illustration
©2019 by Bob Kolar
Published by Candlewick Press, 2019



**Created by the
author, Kim Norman**

This activity guide ©2019 Kim Norman,
author of the picture book, **GIVE ME BACK MY BONES.**



Every time I do an author visit, I am blown away by the creativity of this nation's teachers. Besides lots of lovely hugs from students, I'm greeted by amazing display cases, door decorations, artwork and clever activities devised around the themes of my books.

With that in mind, I know this collection of activities is in good hands because you will no doubt do even more creative things with it than I ever considered. If you do, I hope you'll drop me a line at kimnorman@mac.com or tag me on Twitter (@KimNormanAuthor) to let me know how you tweaked it or how your students enjoyed the activities. Thanks so much for downloading it!



One of my favorite displays ever: an adorable child-size chair that a library volunteer decorated in honor of I KNOW A WEE PIGGY. She had done the same for every author that had visited in recent years, so they had a nice little collection on display in the library.

**Please visit my website at
kimnormanbooks.com**

to sign up for freebies like songs, poems, activities and writing tips — hosted by my two pug mixes, Bookie (left) and Dash. (They expect me do most of the work.)

And please check out my other books, including the four that came out in 2019.

Bone Voyage!!



A display for featuring CRODODADDY as a shiny blow-up croc.



One of dozens of doors in a school-wide decorating contest.



SPIN A SPINE GAME

In this activity, students assemble a "spine" by stringing packing peanuts onto a cord.

Supplies:

- Styrofoam packing "peanuts"
- Paper pelvis (printout on page 5)
- Tape or glue stick
- Twine, yarn or or old electronics cord
- Safe lacing needles, if desired,
- **OR** plastic straw(s)

Supplies for spinner:

- Spinner (printout on page 6)
 - Metal brad & paperclip
- or premade plastic spinner
- Cardboard backing and lamination as desired

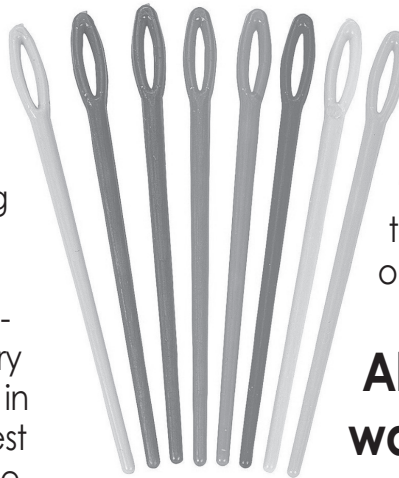
Preparation: There are large, "safe" lacing needles on Oriental Trading Company. Just do a search for "Super Safe Lacing Needles." 40 for about \$3.50 (before shipping.) Similar, though a bit more pointy, can be found on Amazon and other places. It's also very easy to simply poke nice big holes in the peanuts with a straw. Works best if you lay them down flat on a table and punch the straw through the hump. I had almost no trouble with the peanuts breaking when doing this, so it seems an activity students could do, to prepare the peanuts before the game, since you need at least 33 peanuts per player. I bought a bag big enough to hold a baby dolphin for about \$3 at a local little office supply store. Might be cheaper in some place like Walmart.

Once the holes are punched, yarn or packing twine can be threaded through the holes when playing the game, although it might help

to coat the ends in a bit of tape first, to avoid fraying. I even found that an old electronics cord lying in a drawer did the trick. It was stiff enough to poke through the peanuts without pre-punching them. But maybe you're better about throwing out old cords than I am. And besides, that only works if you need very few cords, like a single set or two for an activity center.

See the pages 4 and 5 for print-out and assembly instructions for the pelvis graphic, which will serve as a base for the cord.

Rules: Players (about 2 to 4 per game) each start with their own cord taped to a paper pelvis A bag of peanuts will be shared by all. Players take turns on the spinner. When a number comes up, they string that number of "vertebrae" onto the cord. First player to reach 33 (the number of vertebrae on a human spine) wins.



Alternative ways to play:

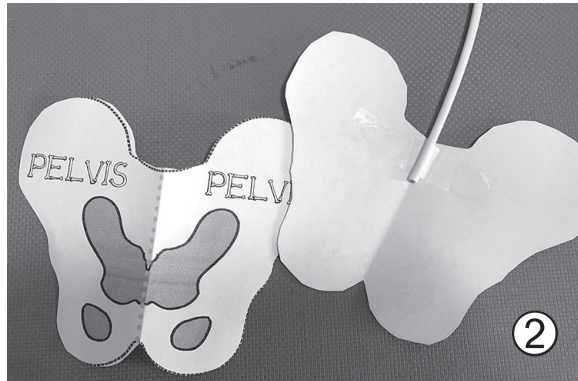
1. Use a single die instead of the spinner.
2. (For older players):
Player One spins or rolls die for a number. Player Two selects a question card from the deck and reads the question on the card. Player One must correctly answer the question before threading the designated number of peanuts onto his/her cord. Question cards are supplied in this document, beginning on page 24.
3. Or... forget games and rules and just make some really cool backbones to hang in the hall!

Pelvis assembly instructions:

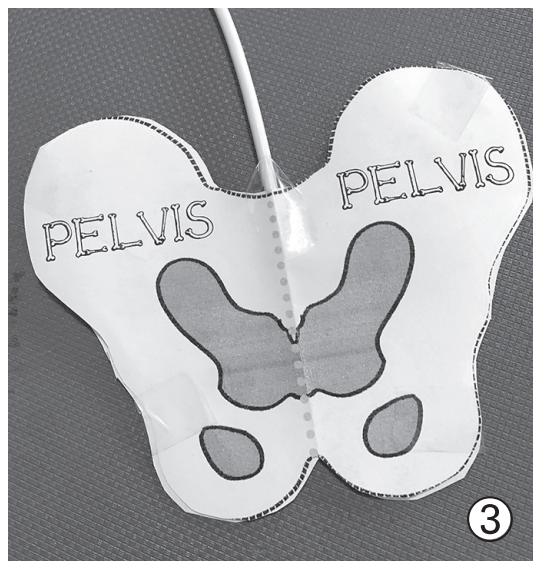
1. Print out two pelvis graphics for each spine. For cutting out, follow instructions printed on the pelvis graphic on page 5. Students may be familiar with this way of cutting a symmetrical shape if they have ever cut out paper hearts.



2. After cutting out both pelvis graphics, tape the cord onto the back of one, near the top, centered as shown.



3. Using 4 or 5 pieces of tape, attach the remaining cut-out to the first one, being sure that the graphics show on both sides. Glue sticks would work, too. I attached one piece of tape near the top and wrapped it around the cord for extra support.



4. The photo on the right shows the complete spine after assembly. Measuring tape added to show approximate length of twine you will need. At least 30 inches; 36 would probably be safer, especially if you plan to tie it to anything for display.



PELVIS CUT-OUT for SPIN A SPINE GAME

Sometimes we call the pelvis the “hip bone,” but it is not really one bone. It is made up of several bones that connect together to support your spine.

Kim Norman wrote a verse for the pelvis in her book *Give Me Back My Bones*, but picture books can only fit in so many pages, so that verse was taken out. She really does think the pelvis looks like a potato chip. Don't you?

Here's the verse you won't find in the book:

**Give me back my hip bone,
my Hula-Hoop-and-dip bone,
my flat, potato-chip bone.
I'm yelling for my pelvis.**

Don't worry, though. The pelvis does show up in the book. Can you find it? It's on the same page as the backbone.

INSTRUCTIONS: 1. Fold this paper in half along the gray, dotted line.



PELVIS

PELVIS

2. While paper is folded, cut out the pelvis along the black dotted line.

3. Unfold and flatten paper so you have a complete pelvis shape.

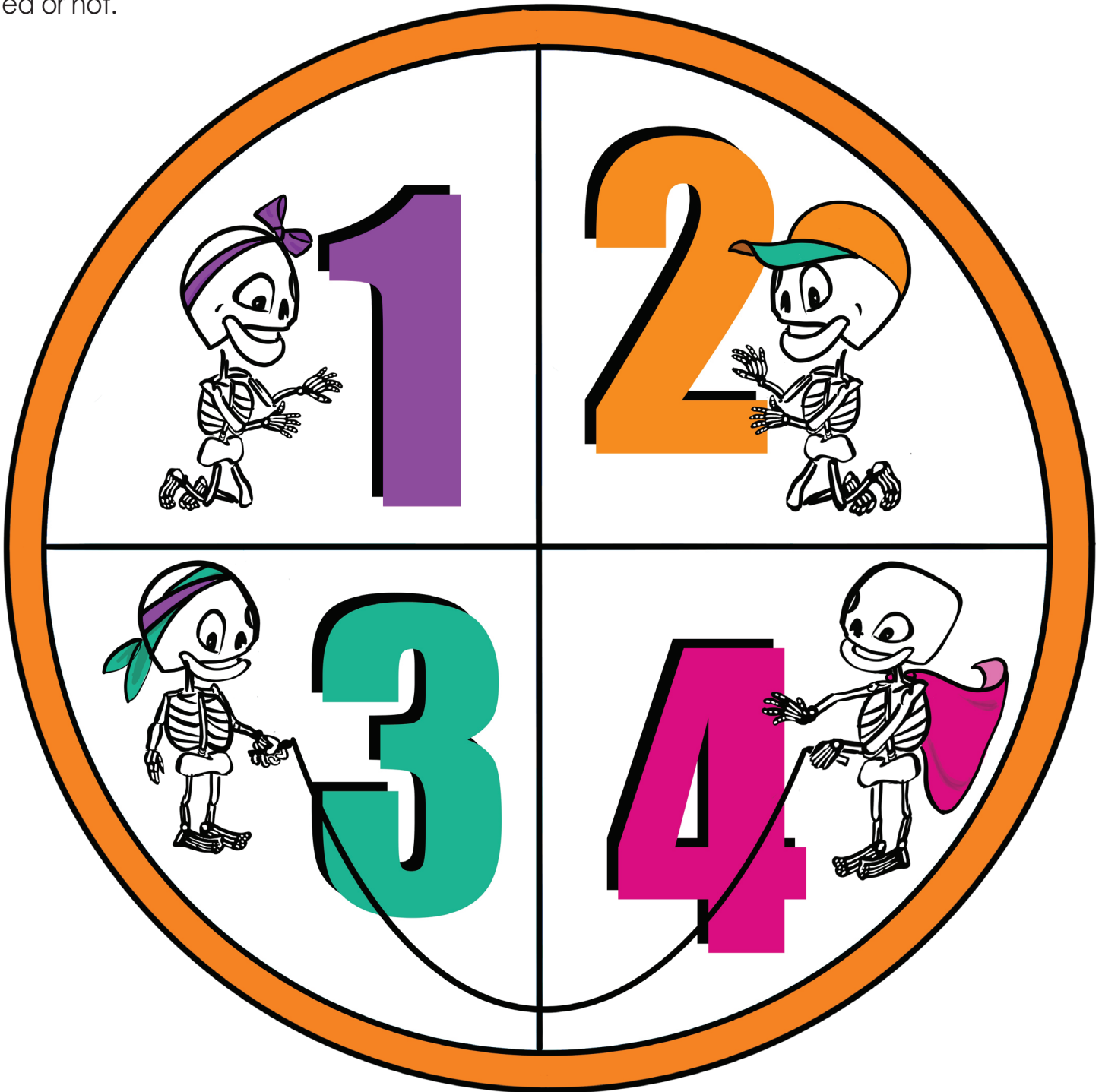
SPINNER for SPIN A SPINE GAME

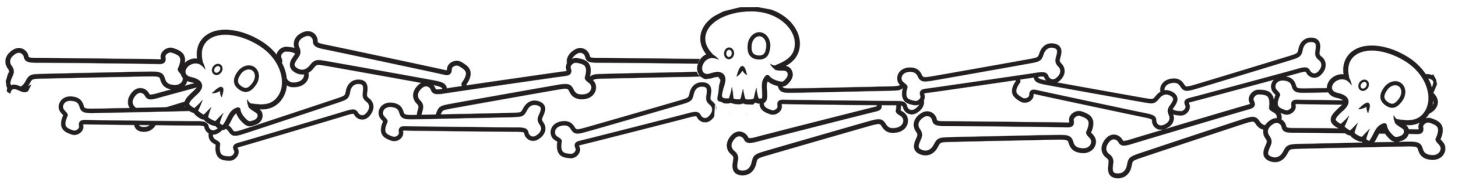
Instructions for attaching a spinner:

https://www.youtube.com/watch?v=XoXeIF_Gj40

If that link doesn't work, search for "How to Make a Game Spinner with a Brad and Paperclip" posted by Early Learning Ideas by Jennifer Hier.

She doesn't mention it, but I would also attach to cardboard to the back, whether laminated or not.





BINGO BONES

(To the tune of Bingo)

In place of the standard "BINGO" handclaps, try having students click two craft popsicle sticks together. Sticks could first be painted white to resemble bones, although unpainted would work just as well.

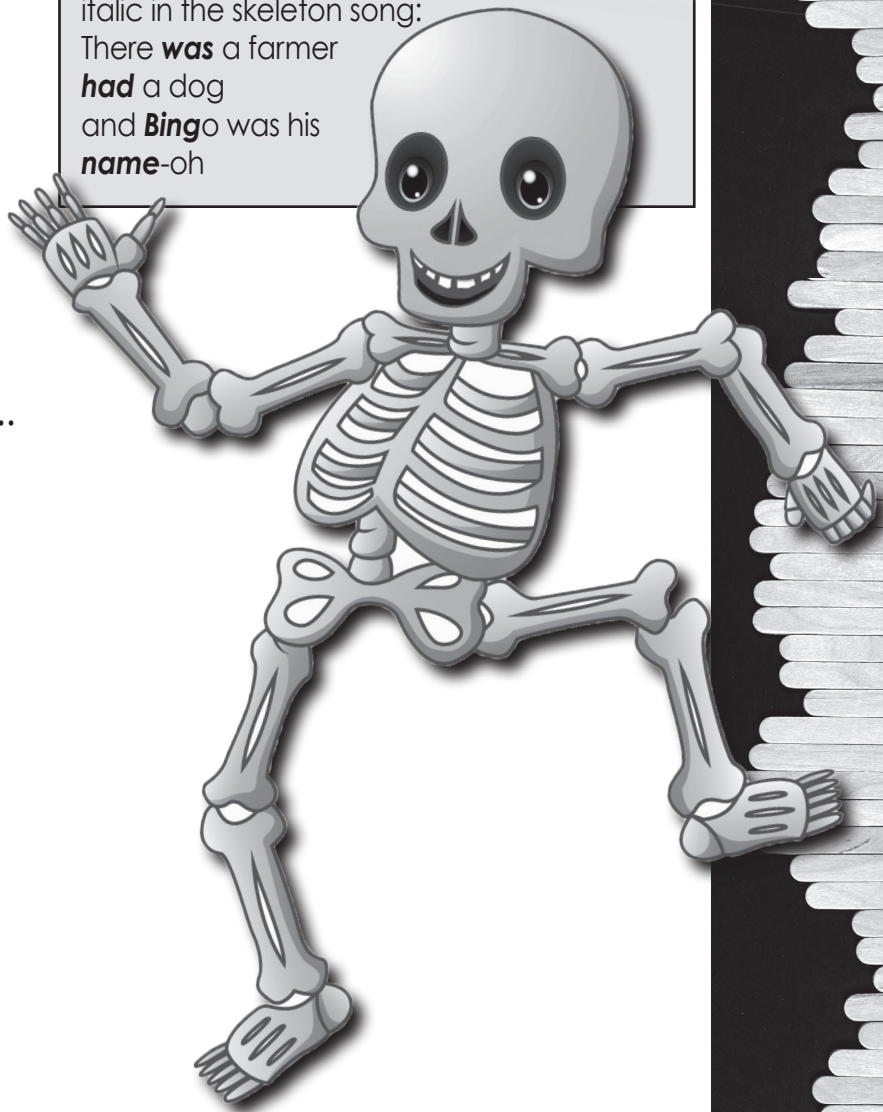
There **was** a pirate
in the sea
whose **skeleton** was
made of:
B-O-N-E-S
B-O-N-E-S
B-O-N-E-S
His skeleton was boney!

*And then, of course,
in standard Bingo pattern...*

There was a pirate
in the sea
whose skeleton was
made of:
(click!)-O-N-E-S
(click!)-O-N-E-S
(click!)-O-N-E-S
His skeleton was boney!

Etc....

Song follows the pattern of the well-known "Bingo." Note syllables in bold italic, here in the original song, match syllables in bold italic in the skeleton song:
There **was** a farmer
had a dog
and **Bingo** was his
name-oh



Dem Joints

(To the tune of “Dem Bones”)

Bones are important, but to really work, they need the help of our joints. Joints connect our bones together and allow them to move. Some joints open and close like the hinge of a door. You can feel a joint like that in your elbows and knees. Other joints move sideways, backward and forward, or even rotate! If you swing your arms in a circle from the shoulder, you're using a rotating joint. Here's a song to help us remember how important our joints are!



REFRAIN (Repeat between stanzas as often as you like.)

My joints, my joints, my BONE joints,
My joints, my joints, my BONE joints,
My joints, my joints, my BONE joints,
They help me move my bones!

The toe bone's connected to the foot bone,
The foot bone's connected to the ankle bone,
The ankle bone's connected to the leg bone,
by spendid bendy joints!

The leg bone's connected to the knee bone,
The knee bone's connected to the thigh bone,
The thigh bone's connected to the hip bone,
by spendid bendy joints!

The hip bone's connected to the back bone
The back bone's connected to the neck bone,
The neck bone's connected to the head bone,
by spendid bendy joints!

The finger bone's connected to the hand bone,
The hand bone's connected to the arm bone,
The arm bone's connected to the shoulder bone,
by spendid bendy joints!

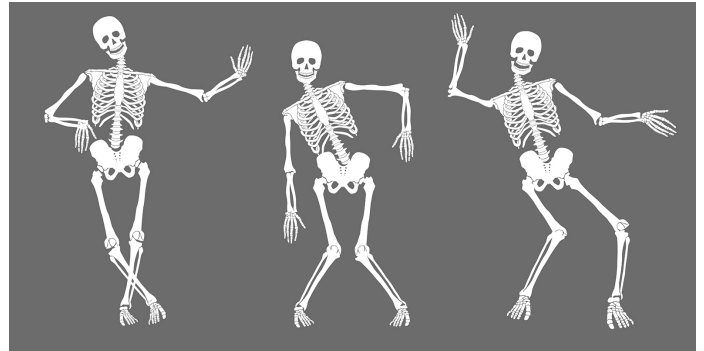
My joints, my joints, my BONE joints,
My joints, my joints, my BONE joints,
My joints, my joints, my BONE joints,
They help me move my bones!

Jiggly Joints Song

For the first verse, players stand stiff and straight, arms rigid, beating out a very stiff rhythm at their sides or on their thighs. Syllables in color receive the beat. Of course, you'll want to define "petrified" before beginning.

Tune similar to "Bring back my Bonny to me" (refrain only) If it's too complicated to change the names of the body parts in the succeeding verses, you can just sing the final verse every time after the first verse about the bones. **MUSIC VIDEO OF SONG ON**

YOUTUBE: <https://youtu.be/rhhSTX3IN4I>



First verse:

Bones, bones nothing but bones,
Standing alone like a petrified stone.
Too stiff to dance... I mumble and moan,
I need some help with my bones.

NOW LET'S ADD JOINTS TO OUR NECK!

(Players move only their heads, nodding and twisting in time to the music.)

Joints, joints, jiggly joints
that's what I needed to waggle and point!
Now I can wiggle my NECK on my own.
Thanks to the joints on my bones.

NOW LET'S ADD JOINTS TO OUR BACKBONE!

(Players wiggle only shoulders, back and hips.)

Joints, joints, jiggly joints
that's what I needed to waggle and point!
Now I can wiggle my BACK on my own.
Thanks to the joints on my bones.

NOW LET'S ADD JOINTS TO OUR ARMS!

(Players move only their arms and wrists.)

Joints, joints, jiggly joints
that's what I needed to waggle and point!
Now I can wiggle my ARMS on my own.
Thanks to the joints on my bones.

NOW LET'S ADD SOME JOINTS TO OUR LEGS!

(Players move only their legs and feet.)

Joints, joints, jiggly joints
that's what I needed to waggle and point!
Now I can wiggle my LEGS on my own.
Thanks to the joints on my bones.

NOW LET'S USE ALL OF OUR JOINTS!

(Movement free-for-all with a big finish!)

Joints, joints, jiggly joints
that's what I needed to waggle and point!
Now I can wiggle and wag on my own.
Thanks to the joints on my bones.

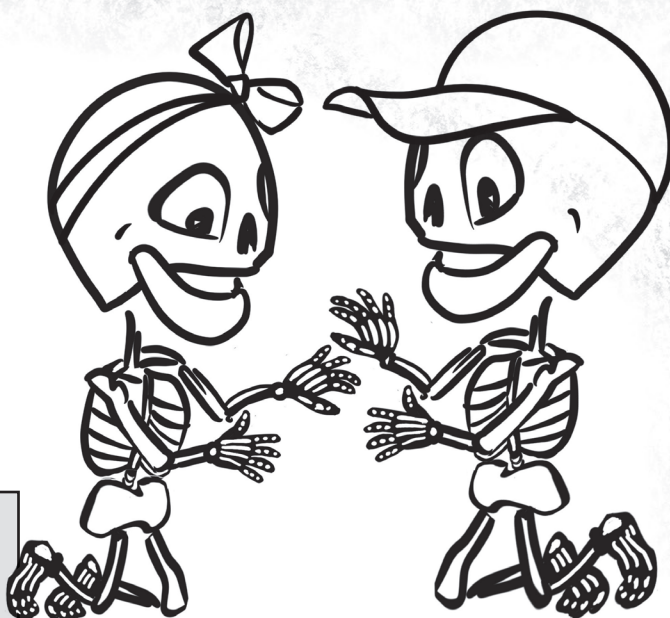


Captain Jones

JUMP ROPE or HAND CLAPPING SONG

To the tune of "Miss Lucy had a baby" (also known as "The lady with the alligator purse.")
<https://www.youtube.com/watch?v=-9tPPgYXil4>

Could also be clapped or played on sticks or other rhythm instruments.



I knew a mighty pirate.
His name was Captain Jones.
He lost his treasure in the sea,
and then he lost his bones!

At first he found his head bone,
(his skull, which had no nose.)
He even asked a friendly shark
to help him find his toes.

Some fishies found his arm bones,
while fluttering their fins.
A kindly orange octopus
supplied his missing shins.

So now that he's back together
beneath the deep blue sea.
He's captain of a school of fish
and happy as can be!



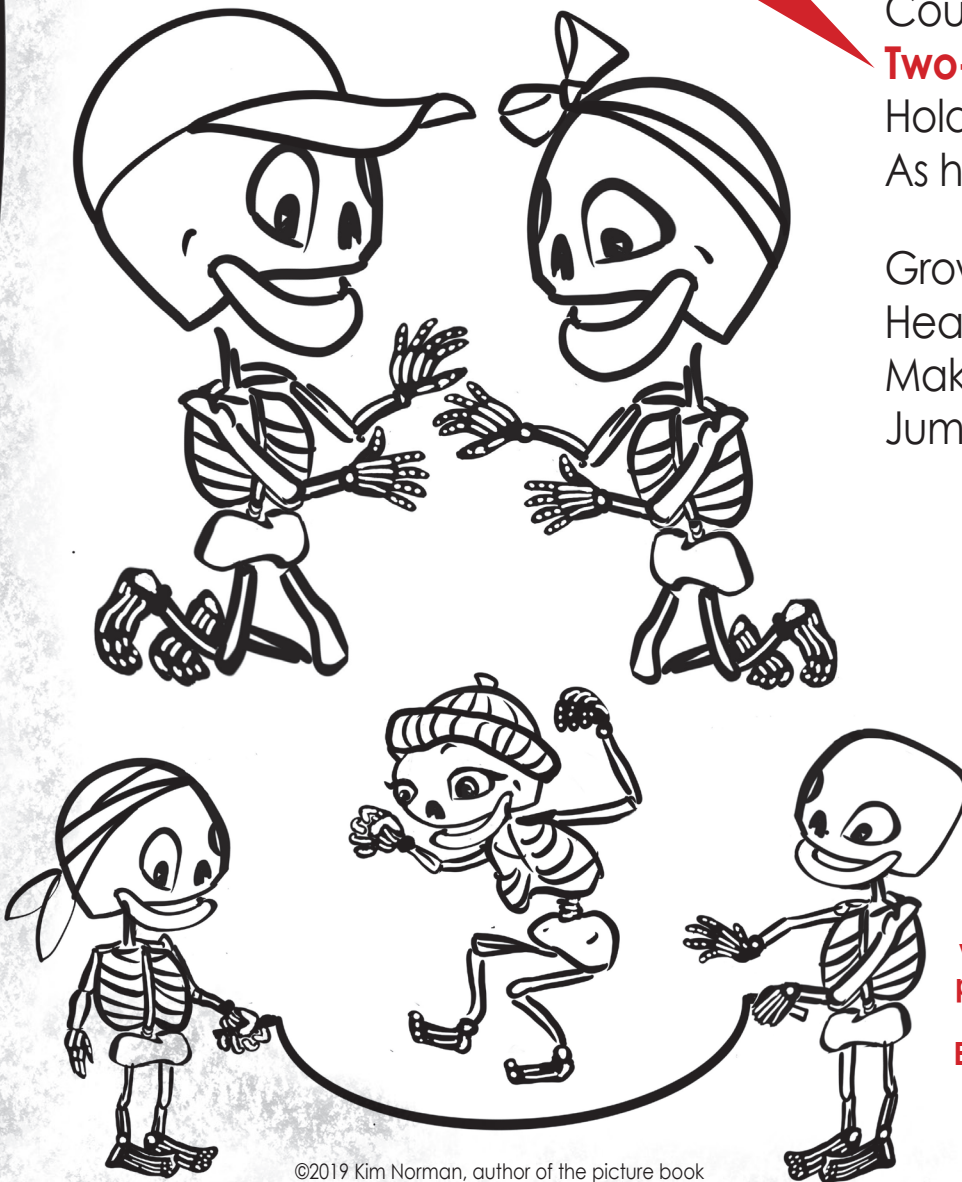
Rickety, Rackety Bones!

JUMP ROPE or HAND CLAPPING CHANT

Visit this Youtube link to hear me demonstrate the rhythm of this chant:

https://youtu.be/bOPUoZY_hLg

206 bones in the human body!



Bones, bones,
Skeleton bones,
Rickety, rackety,
clackety bones.

Bones in my fingers,
Bones in my toes,
Bones in my head
With a cartilage nose.

Count 'em up!
Count 'em up!

Two-oh-six!

Hold me up,
As hard as bricks!

Grow them long with
Healthy snacks!
Make them strong with
Jumping jacks!

Bones, bones,
Skeleton bones,
Rickety, rackety,
Piled in a stack-ety
B-O-N-E-S...
BONES!

Want to make a humble
author's day? Send her a
video or audio of your class
performing this chant or any
song in this collection!
Email kimnorman@mac.com
or share and tag her on
Twitter:

@KimNormanAuthor

If You're Boney and You Know It

To the tune of "If you're happy and you know it." Beforehand, explain what a gong is and demonstrate the motion: basically like swinging a bat. For reasons of length, (pretty much the same reason I only hit the highlights in my book *GIVE ME BACK MY BONES*), I have left out a few bones in this song that appear in the book. *Italicized words in parenthesis suggest sounds players can make to go with the movements.*

If your skull protects your brain, nod your head.
If your skull protects your brain, nod your head.
If your skull protects your brain,
all your thoughts will not complain. (Point to temple)
If your skull protects your brain, knod your head.

If your heart's behind your ribs, thump your chest.
If your heart's behind your ribs, thump your chest.
If your heart's behind your ribs,
they protect like boney bibs.
If your heart's behind your ribs, thump your chest.

If your vertebrae are loose, bend your back.
If your vertebrae are loose, bend your back.
If your vertebrae are loose,
move your shoulders and caboose. (Your bottom)
If your vertebrae are loose, bend your back.

If your humerus is long, bang a gong! (*BONG!*)
If your humerus is long, bang a gong! (*BONG!*)
If your humerus is long,
now your arms are in a song.
If your humerus is long, bang a gong! (*BONG!*)

If your metacarpals move, snap and clap. (*snap!* *clap!*)
If your metacarpals move, snap and clap. (*snap!* *clap!*)
If your metacarpals move,
clap along and get the groove.
If your metacarpals move, snap and clap. (*snap!* *clap!*)

If your femur's nice and spry, slap your thigh.
If your femur's nice and spry, slap your thigh.
If your femur's nice and spry,
fill your lap with apple pie.
If your femur's nice and spry, slap your thigh.

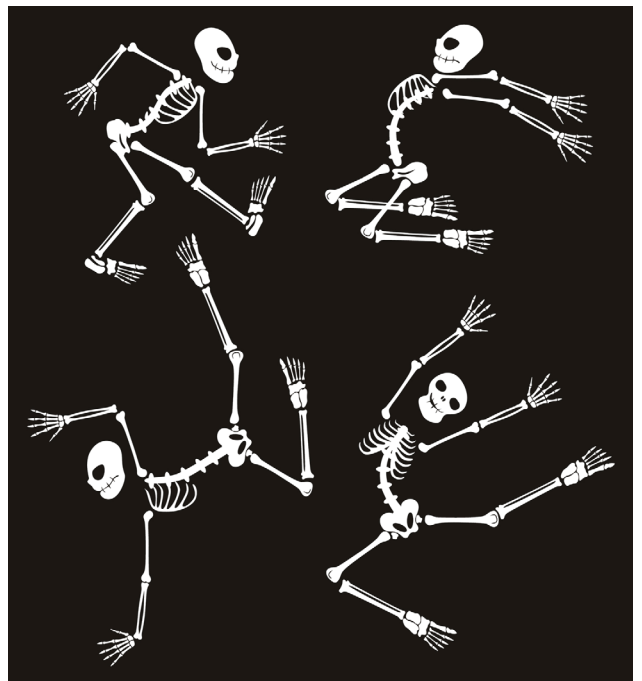
(If you like, have kids sit for this one so they can mime eating an apple pie in their laps.)

If your phalanges like to pose, point your toes.
If your phalanges like to pose, point your toes.
If your phalanges like to pose,
keep them smelling like a rose,
If your phalanges like to pose, point your toes.

(Movements for final verse will be wildly moving everything at once.)

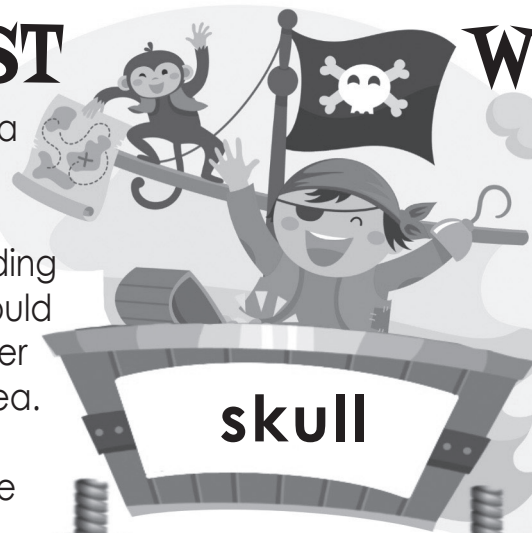
If you're boney and you know it,
move your joints. ("Yay, bones!")
If you're boney and you know it,
move your joints. ("Yay, bones!")
If you're boney and you know it,
use your skeleton to show it.
If you're boney and you know it,
move your joints!

YAY, BONES!!!



CROW'S NEST

Long ago, many ships had a large basket, called a crow's nest, located at the top of the main mast. Standing in the crow's nest, sailors could watch for land, bad weather and other dangers of the sea. To "climb" the rope ladder, follow the instructions on the right, changing just a few letters to make a new word on each rung.



skull

WORD LADDER NUMBER ONE

INSTRUCTIONS:

Starting at the bottom of the rope ladder, (the second rung up) read the clues and fill in the words on each rung until you reach the word on the crow's nest.

"I cannot eat another bite because I am so ____."

"To get rid of the weeds in the garden, we had to ____ them up with our bare hands."

"The old woman wore her gray hair in a ____ at the back of her neck."

"You can get milk from a cow, but not a _____. Watch out for his sharp horns!"

"The opposite of good is ____."

"Mom put a rose ____ in the vase." (A flower just before it opens up and blooms.)

"Dad fried the eggs in a ____."

"I play my trumpet in the marching ____."

If you pour two cups of milk into a glass, it will be a whole _____. (16 ounces.)

"The artist is going to ____ a picture with her brush."

"I love to eat ice cream from a ____."

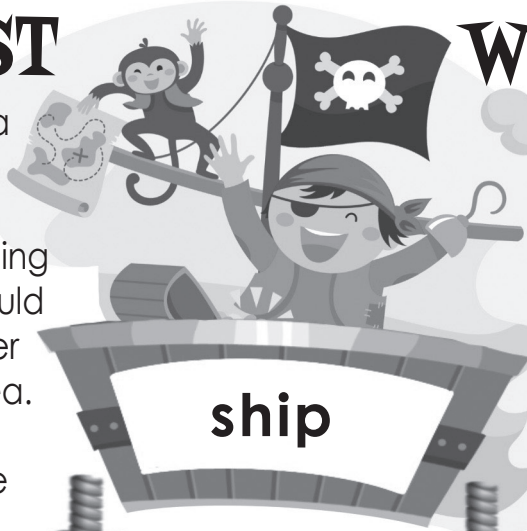
"A ____ tree stays green all year round. Instead of leaves, it has needles."

"I used my ____ to send a text."

bone

CROW'S NEST

Long ago, many ships had a large basket, called a crow's nest, located at the top of the main mast. Standing in the crow's nest, sailors could watch for land, bad weather and other dangers of the sea. To "climb" the rope ladder, follow the instructions on the right, changing just a few letters to make a new word on each rung.



WORD LADDER

NUMBER TWO

INSTRUCTIONS:

Starting at the bottom of the rope ladder, (the second rung up) read the clues and fill in the words on each rung until you reach the word on the crow's nest.

The number before ten

"The horse had a beautiful ____"
(The hair on its neck.)

"Don't forget to put candles on the birthday ____."

"When it is hot, my dog likes to lie in the ____ of a tree."

"She wore a baseball cap on her ____"

"The water was so ____
I could see fish in the river."
(Opposite of cloudy)

"Polish those boots until they ____."

"The toy belongs to me, so it is ____."
(Opposite of "yours.")

"Be careful not to ____ a mess in the clean kitchen."

"The first time you meet someone, it is polite to ____ hands."

"The gardener stores tools in the ____."

"I can ____ birds singing in the trees."

"I can't go outside until I ____ my room."
(The opposite of dirty.)

ocean

CROW'S NEST

Long ago, many ships had a large basket, called a crow's nest, located at the top of the main mast. Standing in the crow's nest, sailors could watch for land, bad weather and other dangers of the sea. To "climb" the rope ladder, follow the instructions on the right, changing just a few letters to make a new word on each rung.



WORD LADDER

NUMBER THREE

INSTRUCTIONS:

Starting at the bottom of the rope ladder, (the second rung up) read the clues and fill in the words on each rung until you reach the word on the crow's nest.

"I want my teddy ____!"

Hank found a lost kitten. It was so cute he asked his mom if he could ____ it.

This animal is like a horse, only more stubborn. He says "Hee haw!"

"When traffic is stopped, sometimes people ____ their horns."

"A button popped off my shirt, so I fixed it with a ____."

First she walked, then she ____ as fast as she could.

"When I cry, big wet ____ run down my face."

The sound a robot makes. (And also small cars.)

"This door is locked! Does anyone have the ____?"

Curious George is a friendly little _____. (He loves peanuts and climbing trees!)

Many pigs are this color. You can make the color by mixing red and white.

"Fry the bacon in this ____."

A rodent that is bigger than a mouse

pirate

Answer Key to CROW'S NEST WORD LADDER

Number
One



skull

pull

full

bull

bun

bud

bad

band

pan

paint

pint

pine

cone

phone

bone

©2019 Kim Norman, author of the picture book **GIVE ME BACK MY BONES**, published by Candlewick, 2019

Answer Key to CROW'S NEST WORD LADDER

Number
Two



ship

shine

nine

mine

mane

make

cake

shake

shade

shed

head

hear

clear

clean

ocean

©2019 Kim Norman, author of the picture book **GIVE ME BACK MY BONES**, published by Candlewick, 2019

Answer Key to CROW'S NEST WORD LADDER

Number
Three



treasure

tears

bear

beep

keep

key

donkey

monkey

honk

pink

pin

pan

ran

rat

pirate

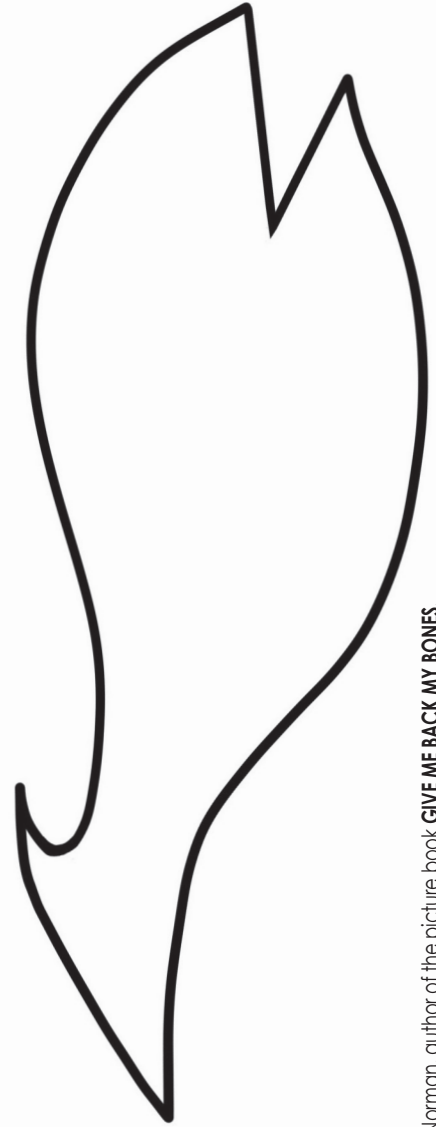
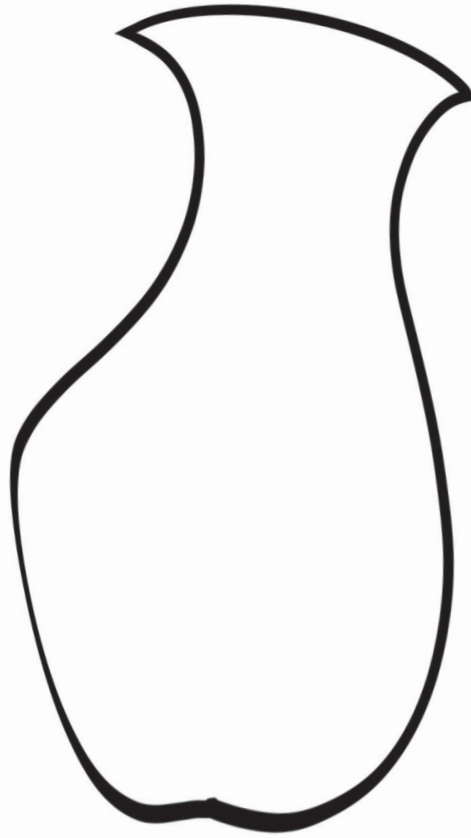
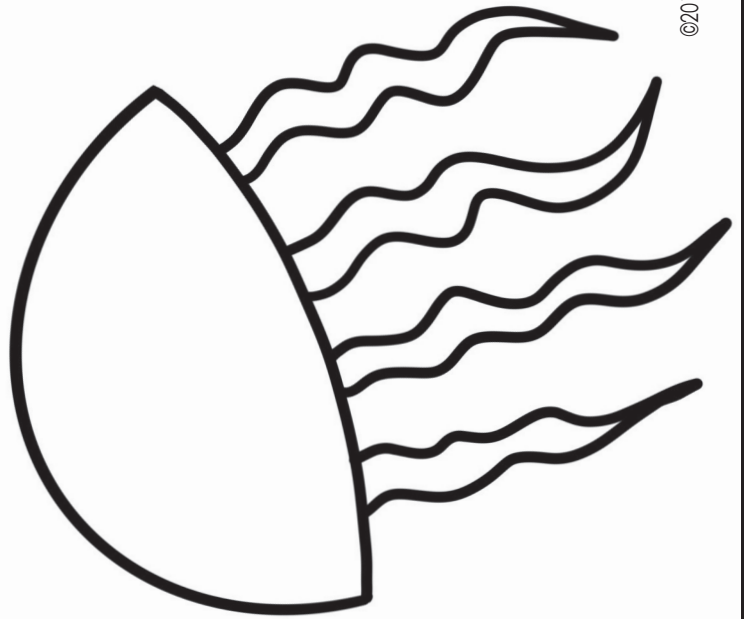
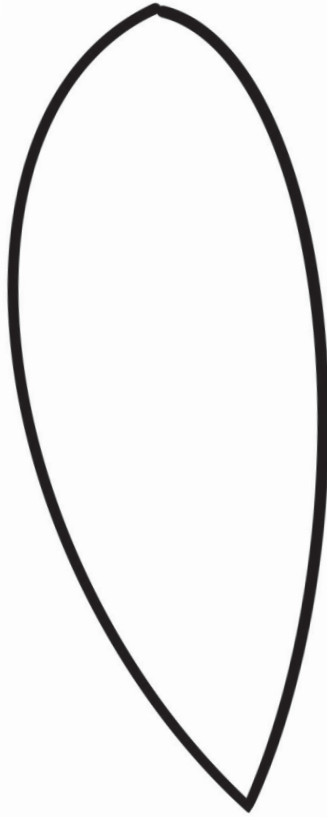
©2019 Kim Norman, author of the picture book **GIVE ME BACK MY BONES**, published by Candlewick, 2019

Invent a fish!

In the book **GIVE ME BACK MY BONES**, the skeleton gets help from many kinds of fish who find his bones.

INSTRUCTIONS: Make your OWN fish by drawing fins, scales, eyes, a tail or anything else you like on shapes below. You may also wish to color in the ocean behind them.

Need ideas for your fish? See the many wild creatures on page 18!



©2019 Kim Norman, author of the picture book **GIVE ME BACK MY BONES**, published by Candlewick, 2019

So many fish in the sea!

Use this page for ideas to
invent your own sea creatures.
Feel free to color them, too!



New Sea Animal Discovered!

A marine biologist is a scientist who studies life in the ocean. Pretend you are a marine biologist. You have just found a new animal or fish in the sea. Draw a picture of it in the box to the right.

Tell more about your creature.
What does it like to eat?

Name your sea creature and write its name on the line above.

Write or tell a story about the day you discovered your sea creature:

SKELETON CARDS

for sorting, matching or collecting

The 24 cards on the next three pages can be used in a variety of ways:

MEMORY MATCH GAME:

Print two sets of cards and cut up. Laminate if you wish. Players place all cards face down. Player one turns over 2 cards. If they match, player keeps the two cards and draws two more. If they don't match, it's the next player's turn. When all pairs have been collected, the player with the greatest number of pairs is the winner.

BONE FISH GAME (Same as "Go Fish")

Preparation: Print two to four sets. You may wish to only print one or two sheets so there are only 8 or 16 different cards rather than printing all 24. Played same as "Go Fish." Instead of "Go Fish," players say "BONE FISH!" to their opponent if they don't have the requested card.

IMAGE MATCH:

Print up two sets of the card sheets. Leave one set un-cut. Cut up the second set. Laminate if you wish. Now have players match the cut up cards with the images on the uncut sheets.

CATEGORIES:

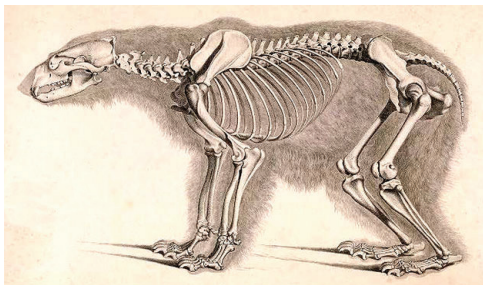
Players divide cards into categories such as "farm animals," "pets," "wild animals," etc. Some animals might fall into more than one category, so that can make for an interesting discussion. Categories may also be based on size: Larger or smaller than a human. Other categories: 2 legs, 4 legs, no legs; flying or nonflying, etc.

TRADING CARDS

Kids seem to love collecting cards, no matter what's on them!



BEAR

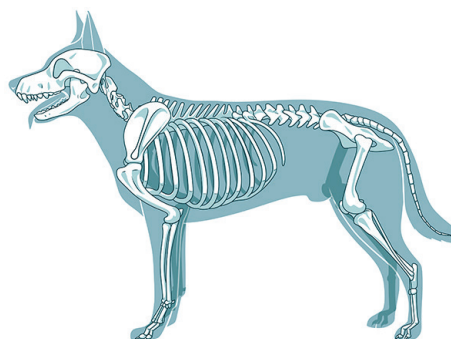


SKELETON

www.kimnormanbooks.com

www.kimnormanbooks.com

DOG



SKELETON

www.kimnormanbooks.com

www.kimnormanbooks.com

STEGOSAURUS

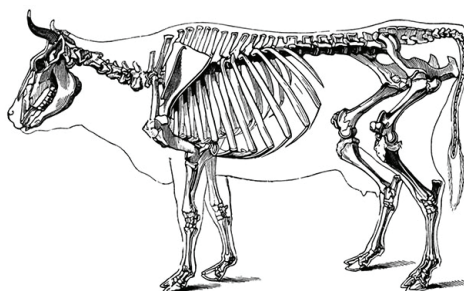


SKELETON

www.kimnormanbooks.com

www.kimnormanbooks.com

COW



SKELETON

www.kimnormanbooks.com

www.kimnormanbooks.com

BAT

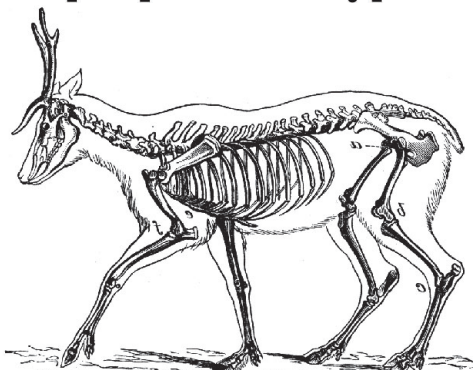


SKELETON

www.kimnormanbooks.com

www.kimnormanbooks.com

DEER

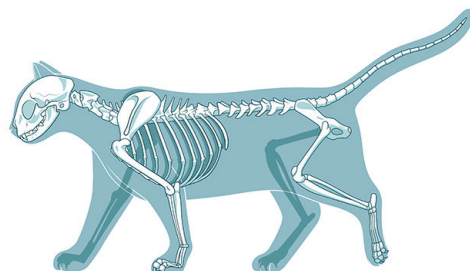


SKELETON

www.kimnormanbooks.com

www.kimnormanbooks.com

CAT

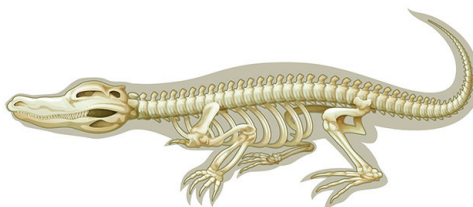


SKELETON

www.kimnormanbooks.com

www.kimnormanbooks.com

CROCODILE



SKELETON

www.kimnormanbooks.com

www.kimnormanbooks.com

FROG



www.kimnormanbooks.com

SKELETON

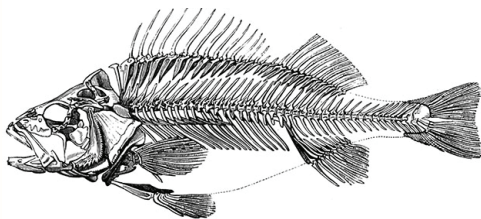
HADROSAUR



www.kimnormanbooks.com

SKELETON

FISH



www.kimnormanbooks.com

SKELETON

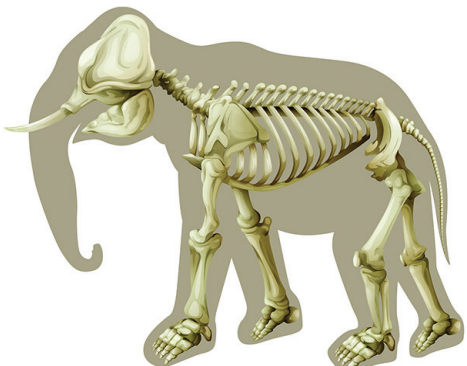
HORSE



www.kimnormanbooks.com

SKELETON

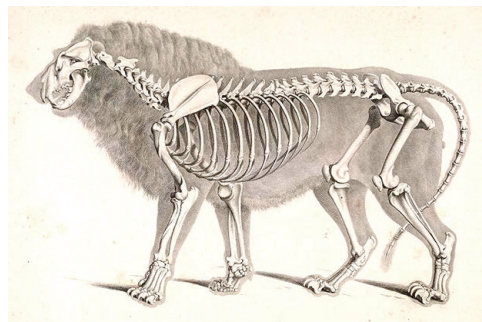
ELEPHANT



www.kimnormanbooks.com

SKELETON

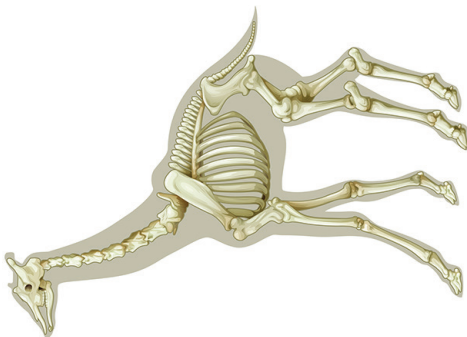
LION



www.kimnormanbooks.com

SKELETON

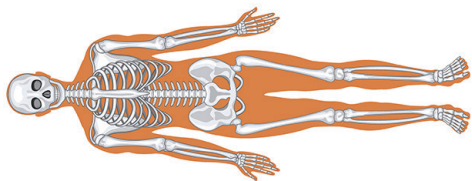
GIRAFFE



www.kimnormanbooks.com

SKELETON

HUMAN

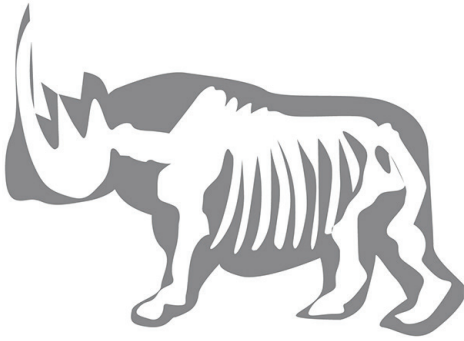


www.kimnormanbooks.com

SKELETON

www.kimnormanbooks.com

RHINOSAURUS

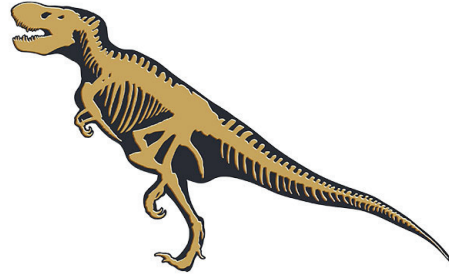


www.kimnormanbooks.com

SKELETON

www.kimnormanbooks.com

T-REX



www.kimnormanbooks.com

SKELETON

www.kimnormanbooks.com

PIGEON



www.kimnormanbooks.com

SKELETON

www.kimnormanbooks.com

ROOSTER

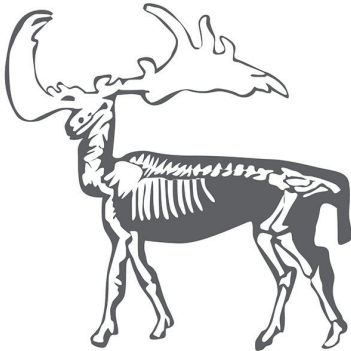


www.kimnormanbooks.com

SKELETON

www.kimnormanbooks.com

MOOSE

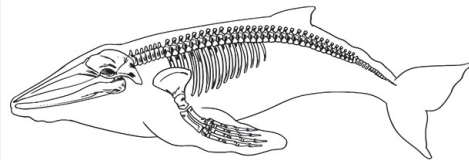


www.kimnormanbooks.com

SKELETON

www.kimnormanbooks.com

WHALE

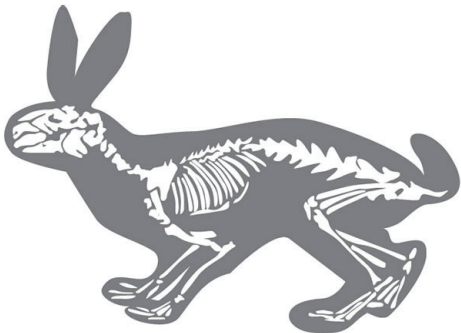


www.kimnormanbooks.com

SKELETON

www.kimnormanbooks.com

RABBIT

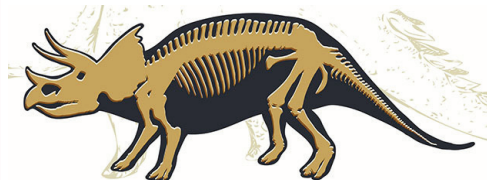


www.kimnormanbooks.com

SKELETON

www.kimnormanbooks.com

TRICERATOPS



www.kimnormanbooks.com

SKELETON

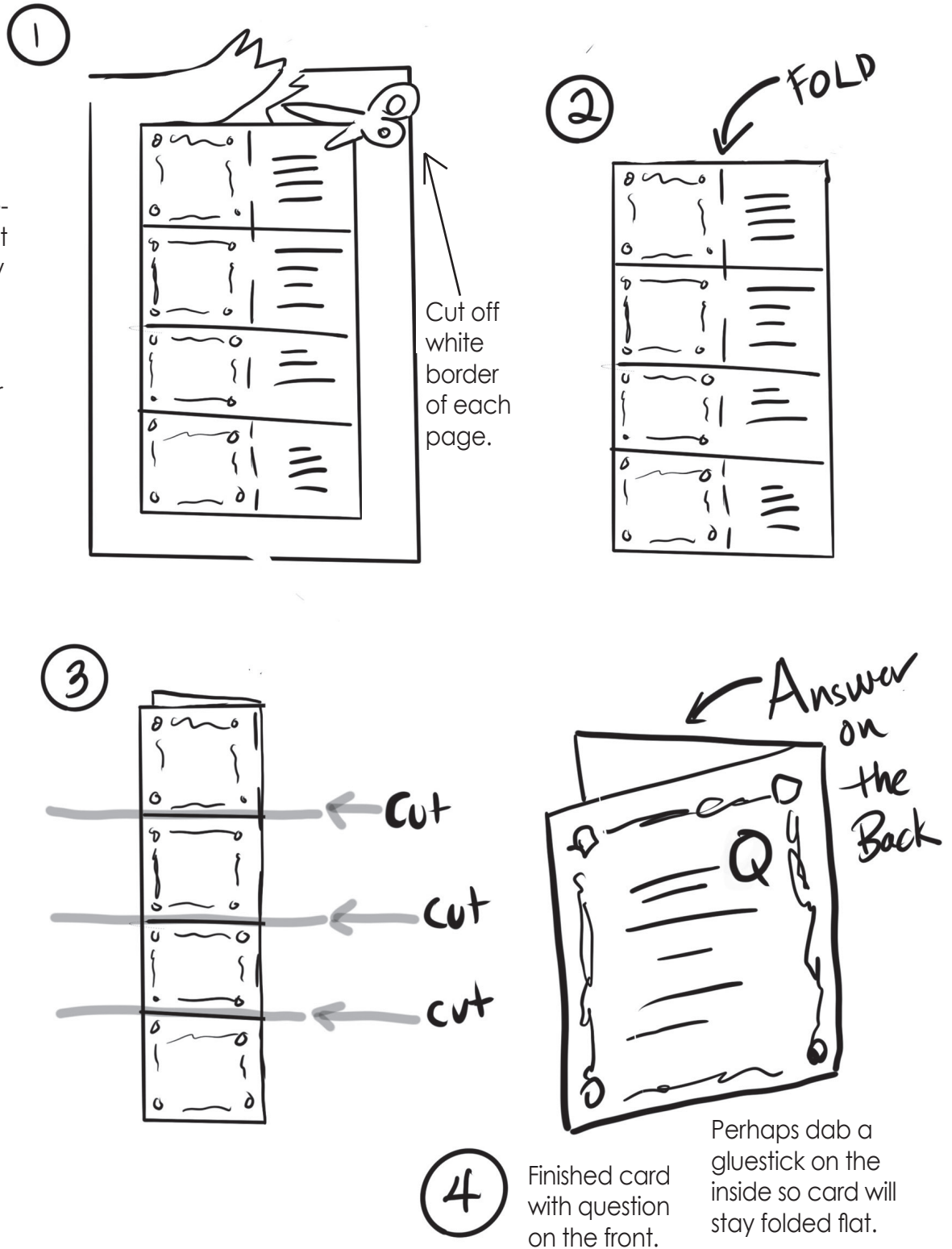
The next 6 pages contain 24 quiz cards to use with older students in the

SPIN A SPINE GAME

on page 2
(Or use them any way you like!)

CARD PREPARATION INSTRUCTIONS

NOTE: I have not supplied any text with these facts for students to read beforehand, so the first time they play, they may be guessing the answers. I trust their agile young brains to remember the facts after that.





Q

The human spine is made up of how many bones?

- a. 10
- b. 25
- c. 33
- d. 98



A

c. 33



Q

Each bone in the spine is called a

- a. verticus
- b. clavicle
- c. vertebra
- d. patella



A

c. vertebra



Q

The plural word (more than one) for the bones of the spine is:

- a. No difference. Both plural and singular are called vertebra
- b. vertebrae
- c. vertebra
- d. verticals



A

b. vertebrae
(pronounced
VER-tuh-bray)



Q

About one fourth of the spine's total length is made of:

- a. muscles
- b. cartilage
- c. protein
- d. ligaments



A

b. cartilage



Q

About half the bones in your body are located in:

- a. your hands and feet
- b. your arms and legs
- c. your ribcage
- d. your spine

A

a. your hands and feet



Q

Are teeth bones?
(Yes or no)

A

No. Teeth cannot rebuild themselves the way our bones can, and cannot repair places that are broken.



Q

7. Your spine protects your:

- a. spinal line
- b. spinal center
- c. spinal cord
- d. tibia and fibula

A

c. spinal cord



Q

8. The spine is very:

- a. floppy
- b. rigid
- c. heavy
- d. flexible

A

d. flexible

**Q**

9. Cartilage is found where in the body?

- a. ears
- b. joints
- c. nose
- d. all of the above

A

d. all of the above
(and lots of other places, too!)

Q

The adult human body has how many bones?

- a. 335
- b. 33
- c. 206
- d. more than 1,000

A

c. 206

Q

The longest bone in the body is the:

- a. femur
- b. backbone
- c. clavicle
- d. ulna

A

a. femur

Q

True or false: Babies have more bones than grownups.

A

True. Babies are born with about 300 bones. Some of those bones fuse (grow together) so that by the time babies have grown up, they only have 206.



Q

The smallest bone in the body is found:

- a. in your nose
- b. in your knee
- c. in your fingers
- d. in your ear

A

d. in your ear. It's called the stapes (STAY-peas). Sometimes it's called the stirrup bone because it looks like the stirrup of a horse's saddle, where riders place their feet.



Q

The biggest joint in your body is in:

- a. your knee
- b. your back
- c. your hips
- d. your neck

A

a. your knee



Q

True or false:
All animals have bones

A

false



Q

True or false: animals that have bones are called vertebrates.

A

True



Q

Which is stronger:
your bones or your teeth?



A

Your teeth. They are covered in
a hard substance called enamel.
However, your bones are better at
repairing themselves if they do get
broken. Teeth cannot repair them-
selves



Q

True or false:
A joint is the place where
two bones connect.



A

True



Q

True or false:
All bone joints can move.



A

False. Some joints move
and some don't. For exam-
ple, some joints in the skull
do not move.



Q

The spongy stuff inside our
larger bones is called:
a. bone tissue
b. cartilage
c. bone marrow
d. bone cells



A

c. bone marrow

**Q**

True or false:
Your bones move because
your brain tells them to.

**A**

False. Sorry, that was a bit of a
trick question: Your brain tells
your **MUSCLES** to move your
bones. Bones cannot move on
their own without the help of our
muscles. So you win the point
no matter what you answered.

**Q**

The main job of bone marrow
is to:

- a. protect our bones
- b. make oxygen
- c. store food
- d. make blood cells

**A**

d. make blood cells

**Q**

All the bones together in the
human body are called:

- a. the skeletal system
- b. the nervous system
- c. the bone system
- d. the spinal system

**A**

a. the skeletal system

**Q**

Red bone marrow can produce
about how many red blood cells
per day?

- a. Five hundred
- b. Five Thousand
- c. Five million
- d. Five billion

**A**

d. Five billion (!!!)