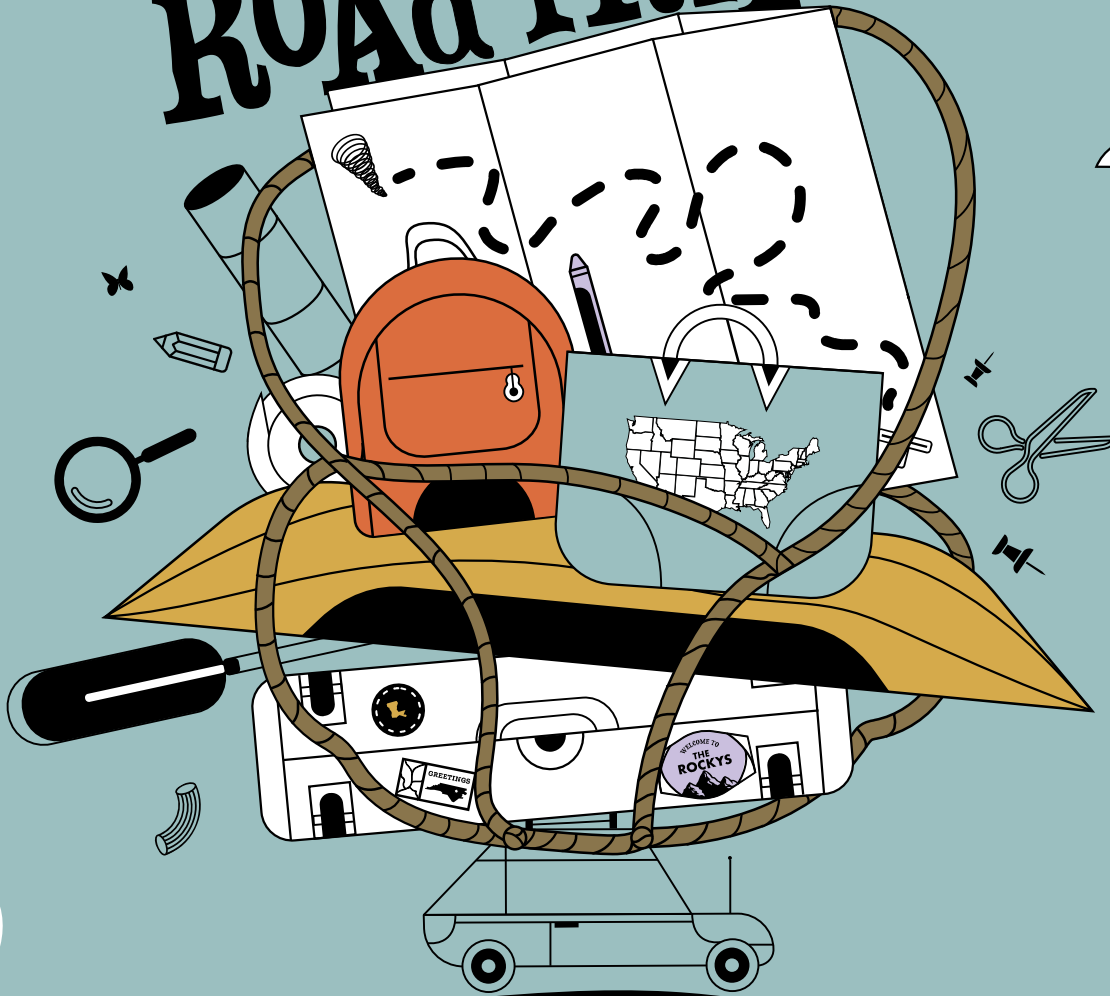


Smithsonian in collaboration  
with USA TODAY presents:

# SUMMER ROAD TRIP

A Smithsonian at-home  
activity guide



This book belongs to the imagination of:



Smithsonian



USATODAY

**Hi!** At the Smithsonian we have amazing artifacts, creatures and ideas to explore. With our museums and our research centers we take you on voyages to find life beneath the sea, to gaze in wonder at the stars, to examine our ancient past and to imagine what the future holds. This summer we are bringing the coolest of the Smithsonian to you with these activities that will keep you entertained and inspired to learn more about American history, culture, art and science.

When I was young, I remember traveling with my family for summer vacations. As the son of two teachers, each drive turned into an opportunity to learn and have fun, whether learning some French during a trek into Canada or identifying the state license plates spotted on cars from across the United States. I would have loved this collection when I was your age.

Hop in and join us as we take a road trip of discovery across the country, taking in the Smithsonian sights along the way. You don't need to be plugged in to have fun or be creative.

No matter where you are, all you need is this collection of games and puzzles, something to write with, and your imagination!

**Lonnie G. Bunch III**  
Secretary of the Smithsonian

**It's summer!** I loved summer when I was a kid. Sometimes, I'd go on road trips with my family to visit my grandparents. But when I couldn't travel, I would go to the library and check out as many books as I could. I was able to visit so many different places through the stories and the pictures.

We're so happy you can do the same this summer with this booklet. You can dig for fossils in the Rocky Mountain Region puzzle or look for local wildlife with binoculars you make yourself. You can gaze at the stars and write a poem. And you can create art with flowers from a garden.

There is so much to do. And when you're done, you can share your journey with a postcard and remember it by making a funny journal entry. We'll even help you interview your own family members about their favorite travel memories.

I hope you enjoy this guide as much as we enjoyed creating it.

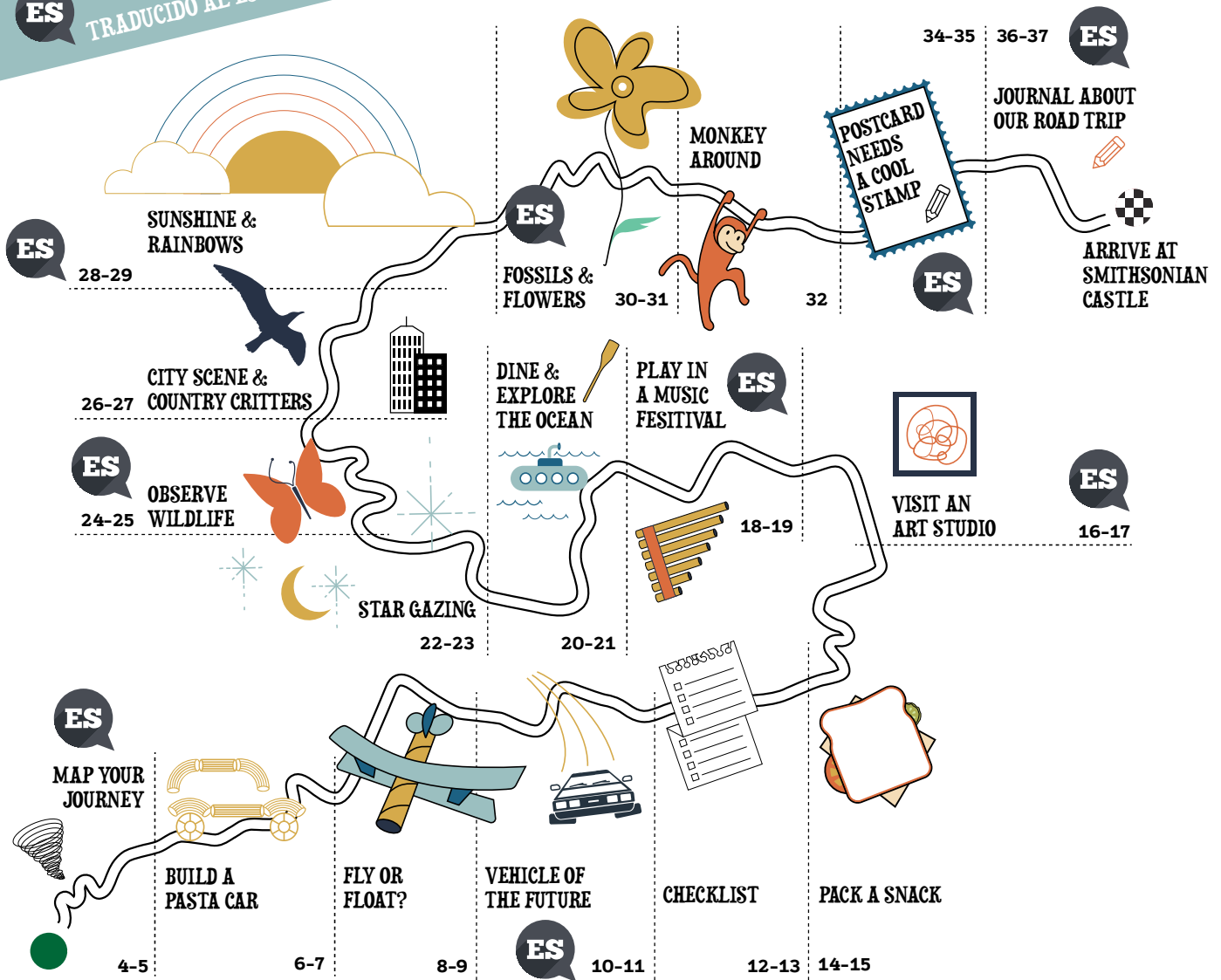
Have fun on your journey!

**Nicole Carroll**  
Editor in Chief USA TODAY



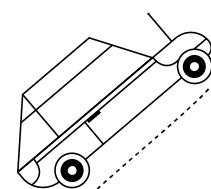
ES

TRADUCIDO AL ESPAÑOL



# OUR TRAVEL PLANS

Are you ready for a trip across country with the Smithsonian?  
 In this guide, you'll find fun activities that you can do at home this summer.  
 Use your imagination to explore iconic places and try new things.





[ SKETCH YOUR JOURNEY ]

YOU'VE ARRIVED IN  
WASHINGTON D.C!



# LET'S MAP OUR JOURNEY

Where will we go? What will we see? Who will we meet? Plot out your ideal journey across the United States with stops along the way. You can use pictures or words or make a collage with images cut out of magazines, but most importantly we suggest you use your imagination! The pages that follow will lead you through many adventures, ending at the Smithsonian Castle in Washington, D.C.! (Yes, a *real* castle!)

## TRACEMOS NUESTRO VIAJE EN UN MAPA

¿A dónde iremos? ¿Qué vamos a ver? ¿Con quién nos encontraremos?

Planea tu viaje ideal por Estados Unidos con paradas en el camino. Puedes usar fotos, palabras o hacer un collage con imágenes recortadas de revistas, pero lo más importante: Te sugerimos que uses tu imaginación. Las siguientes páginas te llevarán a través de muchas aventuras, terminando en el Castillo Smithsonian en Washington, D.C. (¡Sí, un castillo de verdad!)

# HOW WILL WE GET THERE?

In the classic movie "The Wizard of Oz", Dorothy is a young girl from Kansas who travels to a fantastical land. When she wants to travel home, she clicks her heels three times and says "There's no place like home!" and her ruby slippers transport her there. Since then, a pair of the original ruby slippers has traveled all the way to its new home at the National Museum of American History.



**OBJECT:** \_\_\_\_\_ 's  
**ACTION:** \_\_\_\_\_  
**SAYING:** \_\_\_\_\_  
**PLACE:** \_\_\_\_\_



**OBJECT:** Dorothy's Ruby Slippers  
**ACTION:** Click your heels three times  
**SAYING:** "There's no place like home!"  
**PLACE:** Travel home to Kansas

Now, it's your turn to do some imagining too! Think of an household item, an action, a saying and any place you'd want to go! Fill in the blanks below and then, draw your new way of traveling on the paper!

**DID YOU KNOW?**  
In the original book, Dorothy's magic slippers are silver, but for the movie, they were changed to ruby red to make them show up better against the yellow brick road. To learn more about these famous shoes, visit [s.si.edu/Rubyslippers](http://s.si.edu/Rubyslippers).



# WE COULD BUILD A CAR (WITH PASTA)

## TRY THIS:

You'll need a few rolls of tape and whatever types of pasta you can find in the kitchen. Let's use the invention process to build a model car! When your creation is ready, take it for a test drive down a cardboard ramp, set up a track or race your cars across the floor. If your car crashes or breaks, rebuild it in a different way to improve its design.



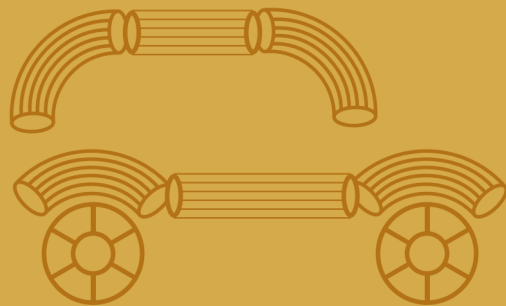
>> NATIONAL MUSEUM OF  
AMERICAN HISTORY

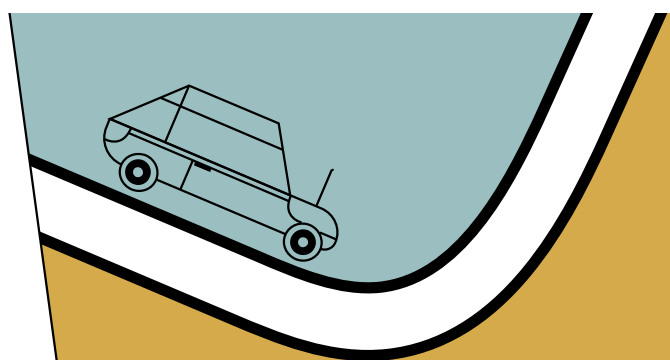
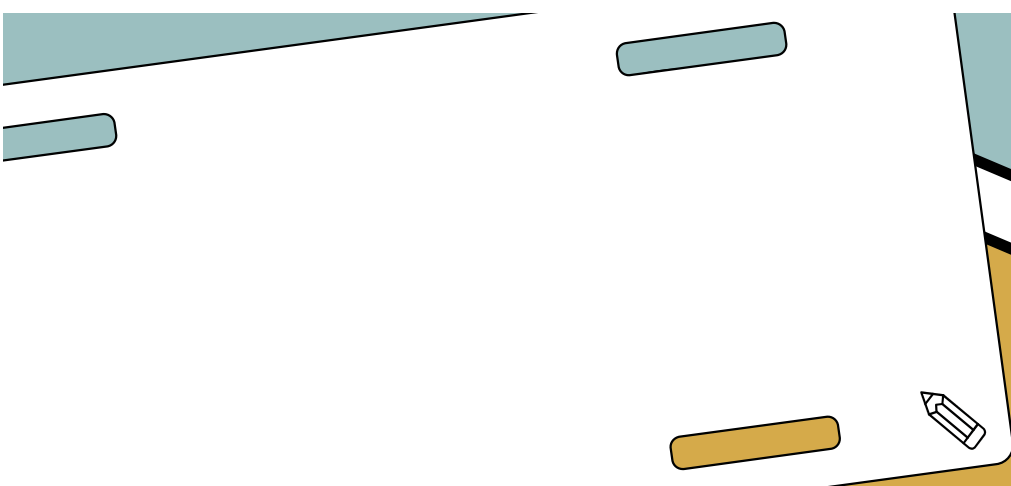
## DID YOU KNOW?

This 1903 Cadillac Tonneau from the National Museum of American History's collection included open seating and originally sold for \$850. Cadillac was one of the first companies to support parts that you could switch in and out. How can this car inspire your design?

For more at home activities to try,  
visit [s.si.edu/DoTryThisAtHome](https://s.si.edu/DoTryThisAtHome).

Adapted from an activity from  
SparkLab at the National Museum  
of American History.

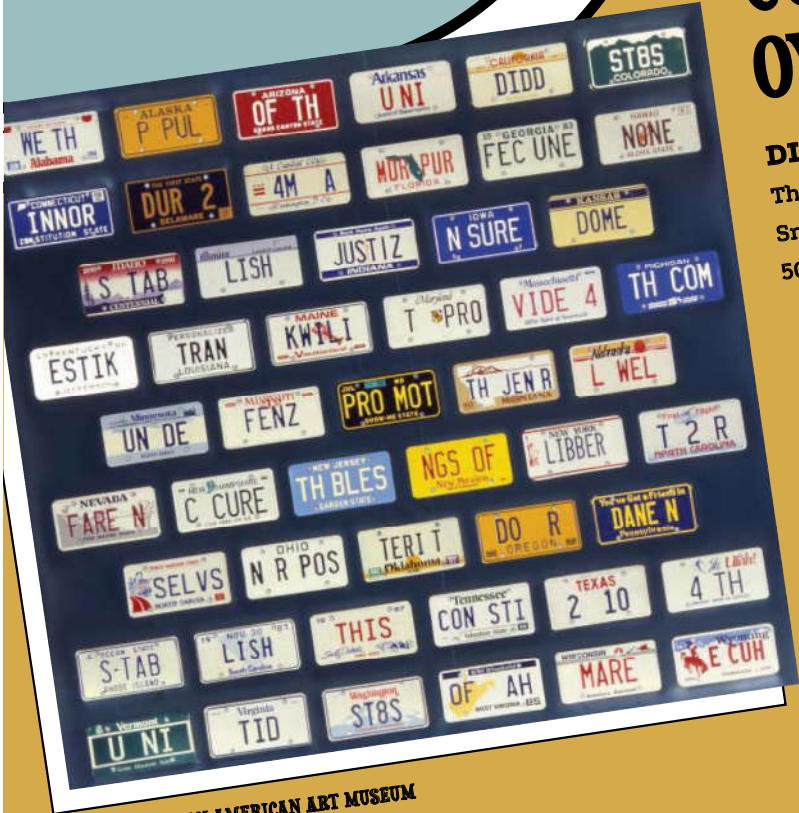




# WE COULD CUSTOMIZE OUR OWN LICENSE PLATES

## DID YOU KNOW?

The artwork to the left by artist Mike Wilkins can be found in the Smithsonian American Art Museum. It uses license plates from all 50 states and the District of Columbia, in alphabetical order.



>> SMITHSONIAN AMERICAN ART MUSEUM

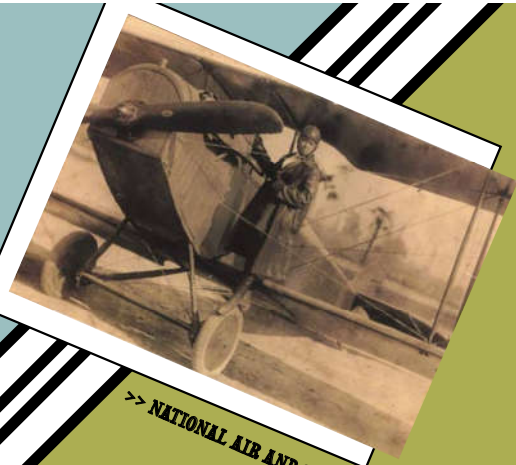
## CAN YOU DECODE A SECRET MESSAGE FROM THE FOUNDING FATHERS OF THE UNITED STATES USING THE LICENSE PLATES?

We the \_\_\_\_\_ of the United \_\_\_\_\_, in order to form  
a more \_\_\_\_\_ union, establish justice, insure domestic  
tranquility, provide for the \_\_\_\_\_ defense, promote  
the general welfare, and secure the blessings of \_\_\_\_\_ to  
ourselves and our posterity, do ordain and establish this  
\_\_\_\_\_ for the United States of \_\_\_\_\_.

# WE COULD FLY OUR OWN AIRPLANE

## DID YOU KNOW?

On June 15, 1921, Bessie Coleman received the first pilot's license issued to an African American, male or female, in France. In September 1921, she returned to the United States, and began to perform in the Chicago area, doing aerobatic loops and figure eights!



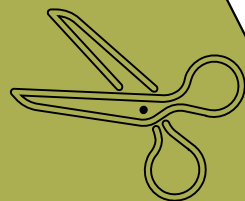
>> NATIONAL AIR AND SPACE MUSEUM

**TO MAKE YOUR OWN BIPLANE, YOU'LL NEED A CARDBOARD TUBE, TAPE, SCISSORS, FOUR PIECES OF PAPER AND SOMETHING TO DECORATE WITH.**

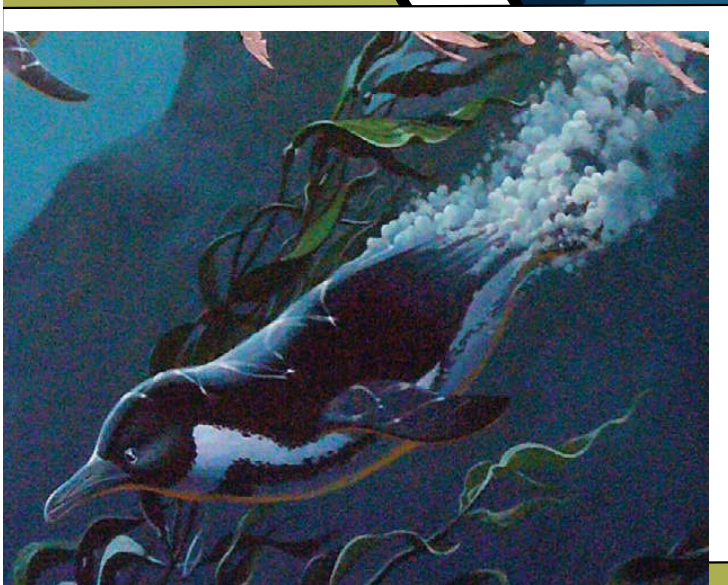
- Decorate your four pieces of paper.
- Tape one of the decorated pieces of paper onto the cardboard tube.
- Fold one of the pieces of paper lengthwise and cut out heart shapes to attach as the tail of the plane.
- Tape two of the pieces of paper on the front of the tube to create the wings of the plane.

To learn more about Bessie Coleman and hear a story from an educator at the National Air and Space Museum, visit [s.si.edu/StoryTime](https://s.si.edu/StoryTime).

Adapted from an activity from the National Air and Space Museum.







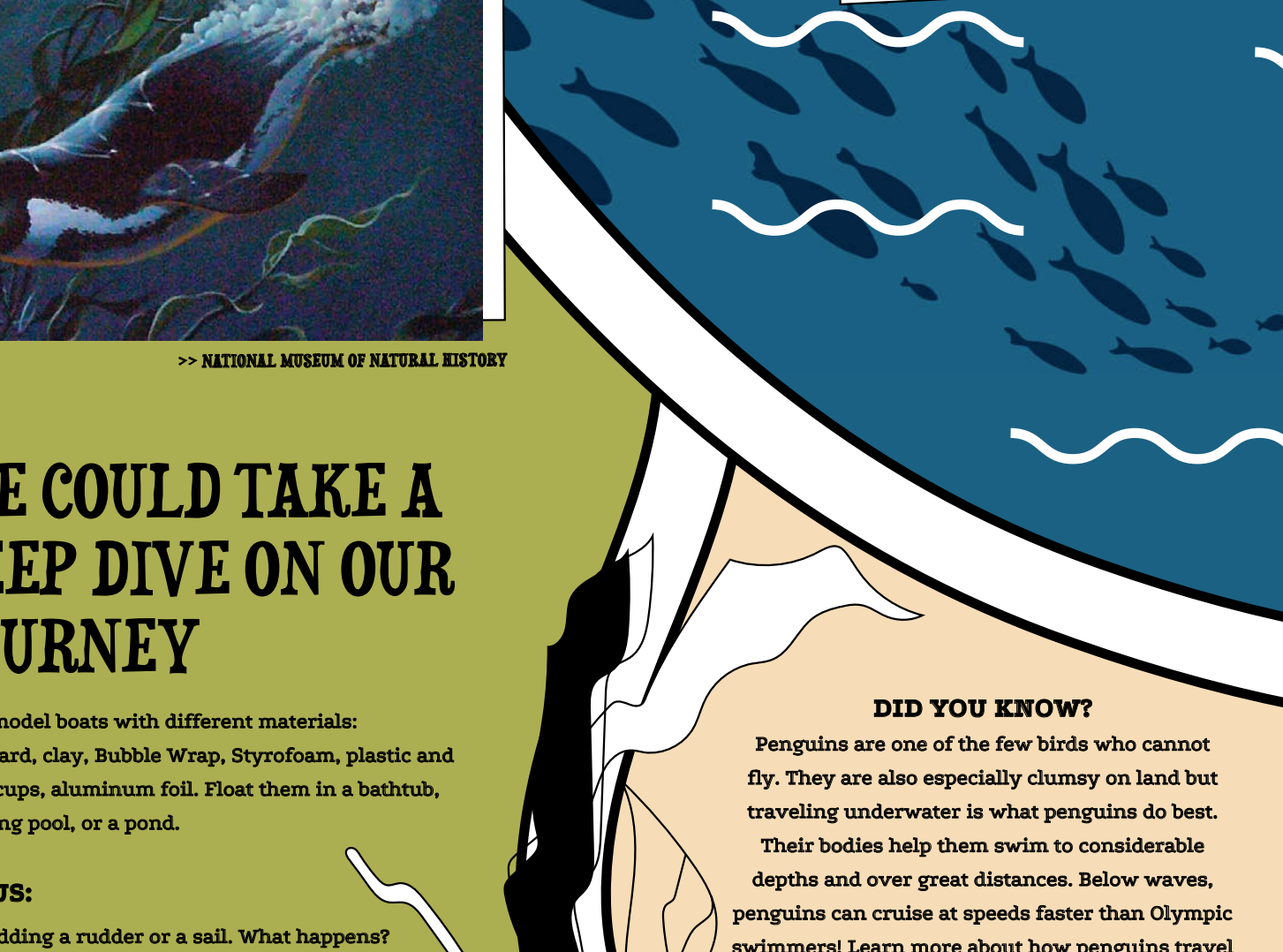
>> NATIONAL MUSEUM OF NATURAL HISTORY

## WE COULD TAKE A DEEP DIVE ON OUR JOURNEY

Build model boats with different materials: cardboard, clay, Bubble Wrap, Styrofoam, plastic and paper cups, aluminum foil. Float them in a bathtub, a wading pool, or a pond.

### BONUS:

- Try adding a rudder or a sail. What happens?
- Try adding pennies.
- How much weight can each boat carry? Why?



Adapted from an activity from the Spark!Lab at the National Museum of American History.

### DID YOU KNOW?

Penguins are one of the few birds who cannot fly. They are also especially clumsy on land but traveling underwater is what penguins do best.

Their bodies help them swim to considerable depths and over great distances. Below waves, penguins can cruise at speeds faster than Olympic swimmers! Learn more about how penguins travel at [s.si.edu/Penguins](http://s.si.edu/Penguins).

# WE COULD DESIGN A VEHICLE OF THE FUTURE

The best part of designing a vehicle of the future is that it doesn't yet exist so there are very few rules. Here are some ideas to inspire you and some questions you might think about...

Look closely at the images. What do you notice? What types of transportation do you see? What features does it have? Who or what is it for? Where is it coming from and where is it headed?



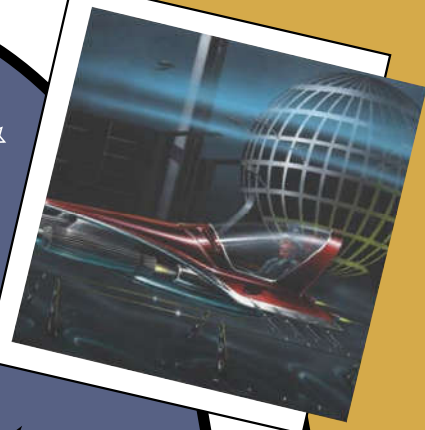
>> COOPER HEWITT, SMITHSONIAN DESIGN MUSEUM

For another activity exploring how to design a prototype for a specific person, visit [s.si.edu/Prototype](https://s.si.edu/Prototype).

>> COOPER HEWITT, SMITHSONIAN DESIGN MUSEUM



>> NATIONAL AIR AND SPACE MUSEUM



## JOT DOWN SOME IDEAS...

1

1. Mode of transportation?
2. A number between 1-9?
3. Choose an object from the list on the right;
4. A person or a thing?
5. A place you've been?
6. A place you haven't been?

2

Now, take your answers above to each numbered question and place it into this sentence for your own transportation design challenge!

1. Design a \_\_\_\_\_
2. with \_\_\_\_\_
3. \_\_\_\_\_
4. that can move \_\_\_\_\_
5. from \_\_\_\_\_
6. to \_\_\_\_\_

3

Next step, build your idea with household materials!  
How does it compare to your sketch?  
What adjustments did you make?

## PODRÍAMOS DISEÑAR UN VEHÍCULO DEL FUTURO. AQUÍ ABAJO ALGUNAS IDEAS...


1. Modo de transporte
2. Un número entre uno y nueve
3. Elige uno de los objetos a la derecha.
4. Una persona o una cosa
5. Un lugar donde has estado
6. Un lugar donde no has estado

Adapted from an activity from  
the Cooper Hewitt, Smithsonian  
Design Museum.

Balloons  
Sails  
Wheels  
Wings  
Jets  
Fans  
Paddles  
Springs  
Pedals

Globos  
Veleros  
Ruedas  
Alas  
Jets  
Abanicos  
Remos  
Amortiguadores  
Pedales

Ahora, toma tus respuestas a cada pregunta numerada arriba y colócalas en esta oración para crear tu propio reto de diseño de transporte. Diseña un (1) con (2) (3) que puedas mover (4) de (5) a (6).

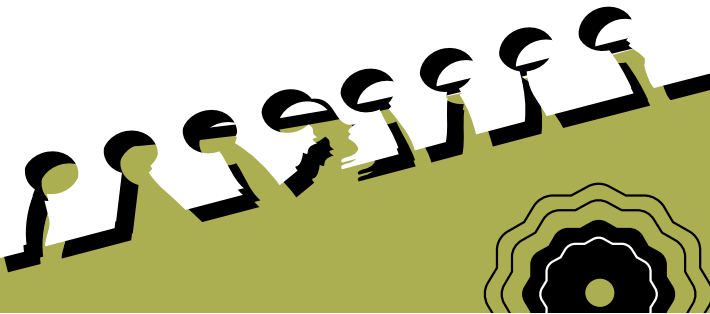
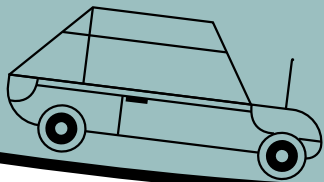


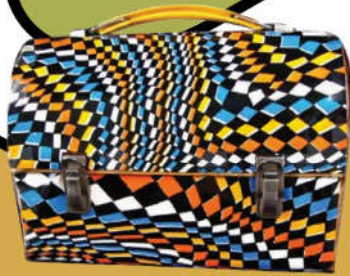
**NOW THAT WE HAVE OUR  
TRANSPORTATION, LET'S ENJOY  
FOOD, GAMES AND ENTERTAINMENT  
ACROSS THE COUNTRY**



# TRAVEL CHECKLIST:

- Map your journey ✓
- Select your transportation ✓
- Enjoy food, entertainment and games
- Pack snacks
- Gather essentials
- Play travel games
- Visit an artist's studio
- Enjoy a festival
- Make music
- Try local foods
- Explore the ocean
- Do some stargazing
- See the sights
- Capture memories
- Tell your story





>> NATIONAL MUSEUM OF AMERICAN HISTORY



>> NATIONAL MUSEUM OF AMERICAN HISTORY

# LET'S PACK SOME SNACKS

## DID YOU KNOW?

The National Museum of American History has a collection of hundreds of lunchboxes! While they're handy for carrying snacks, they are also a way to show a little bit of your personality.

## BRAINSTORM WHAT YOU MIGHT DRAW ON YOUR OWN LUNCHBOX.

### LUNCHBOXES CAN SHOW:

#### A FUN PATTERN

My idea: .....

#### A MOMENT IN HISTORY

My idea: .....

#### FAVORITE CHARACTERS

My idea: .....

#### A SPORTS HERO

My idea: .....

Other ideas: .....

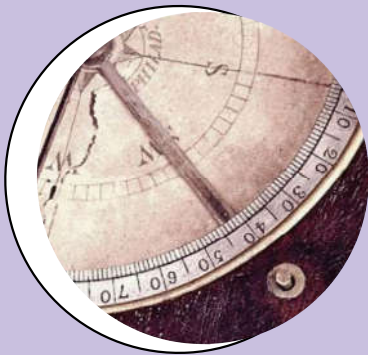


# LET'S THINK ABOUT WHAT WE'LL NEED TO BRING

Can you guess what each of these objects is? Each of them is zoomed in to show some detail and includes a riddle to help provide some clues.

Hint: They are all travel related items!

To view these objects in full, visit:  
[s.si.edu/MysteryObject1](http://s.si.edu/MysteryObject1)  
[s.si.edu/MysteryObject2](http://s.si.edu/MysteryObject2)  
[s.si.edu/MysteryObject3](http://s.si.edu/MysteryObject3).



>> NATIONAL MUSEUM OF AMERICAN HISTORY

## RIDDLE #1

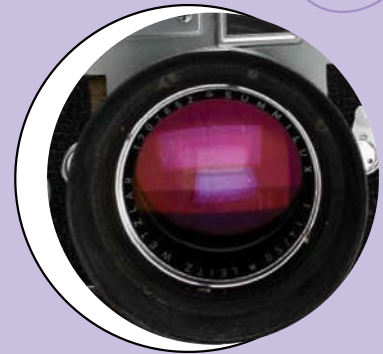
You might use tech tools for getting from here to there  
But in 1804 Lewis and Clark didn't have GPS  
They carried this item using magnetic fields  
To point them north, south, east and west

Your guess: .....

## RIDDLE #2

When you want to freeze time in an instant  
And remember a moment forever  
Be sure to have this hanging from your neck  
With your thumb on the film advance lever

Your guess: .....



>> NATIONAL MUSEUM OF AMERICAN HISTORY

## RIDDLE #3

To have fun on your next big adventure  
This makes it easier to bring all you want to pack  
For clothes, shoes and treasured belongings  
It's more secure than simply a sack

Your guess: .....



>> NATIONAL PORTRAIT GALLERY

ANSWERS: compass, camera, suitcase

# LET'S PLAY A GUESSING GAME

*Twenty Questions* is a classic road trip game to bust boredom and usually includes looking out the window and choosing an object. The guesser has the opportunity to ask twenty yes or no questions about the selected object.

## SAMPLE QUESTIONS MIGHT BE:

- Is the object a living thing?
- Is the object smaller than my hand?
- Is the object shiny?
- Is the object heavier than a book?
- Is the object smooth?
- Is the object man-made?

Some object ideas of what we might see on our journey include:

- A restaurant sign, A mailbox

## JUQUEMOS UN RETO DE ADIVINANZAS

*Twenty Questions* (Veinte Preguntas) es un juego clásico de viaje por carretera para acabar con el aburrimiento, y generalmente incluye mirar por la ventana y elegir un objeto. El adivinador tiene la oportunidad de hacer 20 preguntas de 'sí o no' sobre el objeto seleccionado.

## EJEMPLOS DE PREGUNTAS PUEDEN SER:

- ¿El objeto es un ser vivo?
- ¿El objeto es más pequeño que mi mano?
- ¿El objeto es brillante?
- ¿Es el objeto más pesado que un libro?
- ¿El objeto es liso?
- ¿El objeto está hecho por el hombre?

Algunas ideas de objetos que podríamos ver en nuestro viaje son:

- Un cartel de restaurante, un buzón

Prueba el juego con estos objetos o imagina otras cosas que podrías ver en el camino.

>> NATIONAL POSTAL MUSEUM



>> SMITHSONIAN AMERICAN ART MUSEUM



Try the game with these objects or imagine other things that you might see along the way!

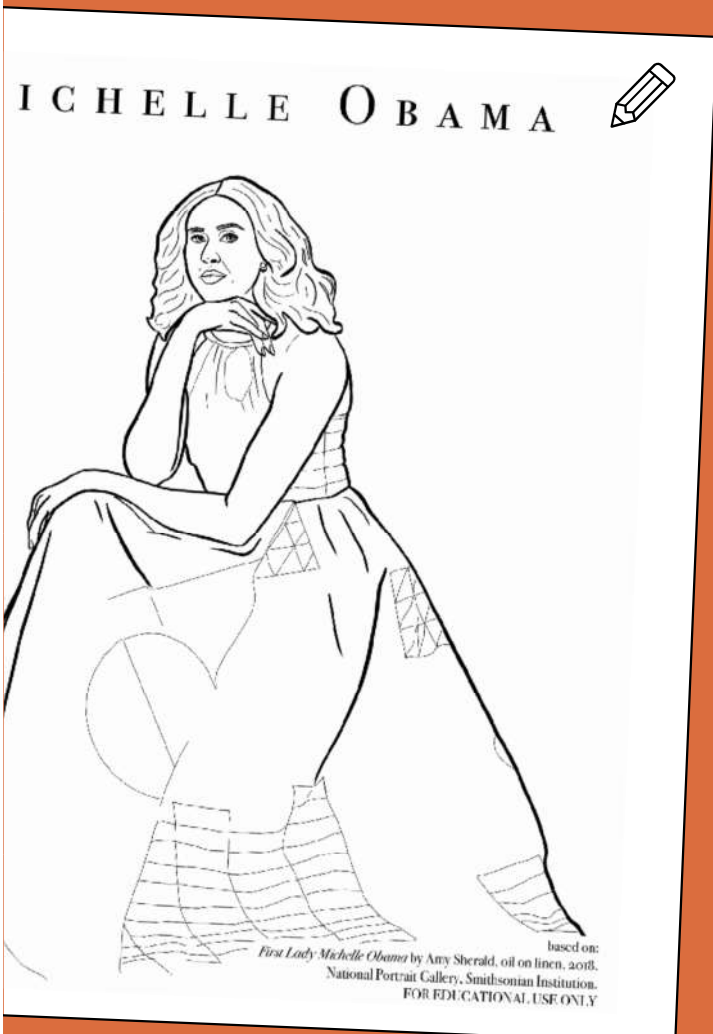


# STOP #1: LET'S VISIT AN ARTIST IN HER STUDIO

## DID YOU KNOW?

Former First Lady Michelle Obama selected Amy Sherard, winner of the 2016 Outwin Boochever Portrait Competition, to create her official portrait for the National Portrait Gallery.

For more coloring pages of iconic Americans, visit [s.sl.edu/ColorOurCollections](http://s.sl.edu/ColorOurCollections).



>> PORTRAIT OF FIRST LADY MICHELLE OBAMA. NATIONAL PORTRAIT GALLERY



>> GRAND DAME QUEENIE. NATIONAL MUSEUM OF AFRICAN AMERICAN HISTORY AND CULTURE

Look closely at these two portraits. What do you notice about  
...the colors the artist used?  
...the clothing they are wearing?  
...the pose they are holding?

What might you add to your own version of the portrait to the left? How would you reimagine the portrait?

# STOP #2: LET'S GO TO A CULTURAL FESTIVAL



## DID YOU KNOW?

In Japan, the word "taiko" means a type of "drum." Imagine you hear taiko drummers performing at a festival. Does it sound something like rolling thunder? Taiko drummers use careful movements with their bodies to make this unique sound with their drums.

## LET'S MAKE OUR OWN TAIKO DRUM.

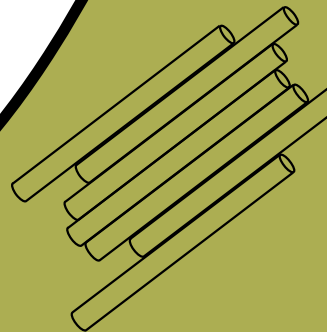
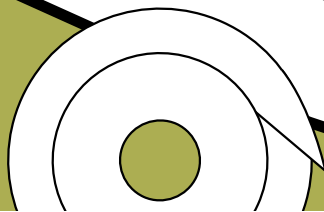
First you will need to collect some materials!

- An empty, cylindrical container (like a coffee can, empty soup can or popcorn tin)
- One balloon (average size for a soup can, a large balloon for a coffee or popcorn tin)
- Rubber bands or tape
- A spoon or a stick or a pen to be your mallet

## DIRECTIONS:

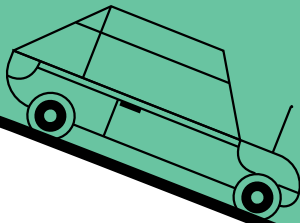
Make sure your container is clean and dry inside.  
Cut off an inch of the open stem of the balloon.  
Pull the balloon over the open end of your container until the balloon is stretched flat over the opening.  
Fasten the balloon to the container with rubber bands or tape so that your balloon doesn't slip off.  
Try out your taiko! Experiment with the mallet.  
Which parts of the drum make high-pitched sounds or low-pitched sounds when you hit them?

To learn more about taiko drumming, check out [s.si.edu/TaikoDrums](http://s.si.edu/TaikoDrums).  
Adapted from an activity from Smithsonian Associates' Discovery Theater.



# ...AND MAKE SOME MUSIC

Did you know? Archaeological evidence shows that panpipes (antaras and sikus) were not only used in the Andes hundreds of years before the Inka Empire, but were made from a variety of material: reed, stone, ceramic, wood, or even metal. They were often played in complementary pairs of three or four different sizes.



## ... Y HACER ALGO DE MÚSICA

¿Sabías qué? La evidencia arqueológica muestra que las pipas (antaras y sikus) no solo se usaron en los Andes cientos de años antes del Imperio Inka, sino que se hicieron de una variedad de materiales como caña, piedra, cerámica, madera o incluso metal. A menudo se jugaban en pares, de tres o cuatro tamaños diferentes.

## MAKE YOUR OWN PANPIPE

### MATERIALS:

- 7 drinking straws (wider is better)
- 2 strips of adhesive tape (wider is better)
- Scissors
- Ruler

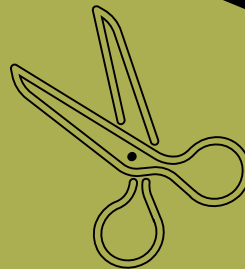
### INSTRUCTIONS:

Using a ruler, line up the seven straws  $\frac{1}{2}$  inch (1.3 cm) apart. Cover them in the middle with adhesive tape (back and front). So that each straw produces a unique sound like a panpipe or zampoña, cut each straw shorter than the one before at even intervals. You have made a panpipe. Now play your instrument! Blow air gently across the top of each straw to hear the different sounds.

## HAGA SU PROPIA FLAUTA PÁNICA

### MATERIALES:

- 7 popotes (entre más anchos mejor)
- 2 tiras de cinta adhesiva (mientras más ancha mejor)
- Tijeras
- Regla



To explore more bilingual resources about Latino culture, check out [s.si.edu/Bilingual](https://s.si.edu/Bilingual).

Adapted from an activity from the Smithsonian Latino Center.

### INSTRUCCIONES:

Usando la regla, alinee los 7 popotes con  $\frac{1}{2}$  pulgada (1.3 cm) de separación entre cada uno. Cubra los popotes en el medio de la cinta adhesiva (de atrás y adelante). Para que cada popote produzca un sonido único como una flauta pánica o la zampoña, corte la punta de cada popote más corta que la anterior en intervalos iguales. Ha hecho una flauta pánica. ¡Ahora toque su instrumento! Sople aire por arriba de cada popote para escuchar los diferentes sonidos.

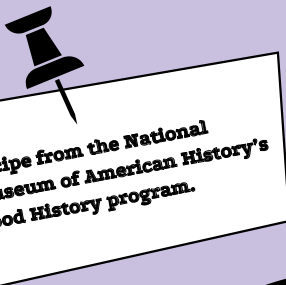
# STOP #3: LET'S TASTE THE LOCAL CUISINE IN NEW ORLEANS, LOUISIANA

PAIR UP WITH AN ADULT AND MAKE THIS FAMOUS NEW ORLEANS DISH!

## RED BEANS AND RICE Courtesy of Chef Rock Harper | Serves 8

### INGREDIENTS

- 1 pound dry kidney beans
- 8 ounces andouille sausage, sliced
- 1/2 pound salt pork (slab bacon may be used instead)
- 1/2 cup tomato sauce or puree
- 2 small ham hocks
- 1 cup diced yellow onion
- 1/2 cup diced green bell pepper
- 1/2 cup diced celery
- 2 small dried peppers (like chile de arbol)
- 1 clove garlic, chopped
- Salt to taste
- Cooked white rice, for serving



Recipe from the National Museum of American History's Food History program.

### DIRECTIONS

1. Wash the beans thoroughly and place them in a two-quart pot with a lid. Cover the beans with cold water, then put the lid on and let soak overnight.
2. To cook, pour the soaking water off the beans and add fresh water to cover. Add the salt pork, andouille, and the ham hocks and bring to a boil over full flame. Turn the heat down to slightly higher than low,

cover the pot and let the beans cook for 1½ hours. Add the diced onions, bell pepper, celery, garlic, dried peppers and salt. Cook for three hours. Add tomato sauce and cook for 1½ hours more, adding water whenever necessary, until tender. The beans and meat should always be just covered with water, never dry. 3. Remove the ham hock and dice the meat. Remove about a fourth of the beans and mash into a smooth paste. Add the diced ham hock and mashed beans back to the cooked beans and adjust seasonings. Serve over white rice.

# STOP #4: LET'S EXPLORE THE OCEAN

## DID YOU KNOW?

In scientific expeditions of the 19th century, artists were included on the teams to help draw and sketch the types of fish the teams encountered. Why might artists be helpful team members on an expedition? The drawings on this page are called "field drawings" because they're based on observations taken during their research expedition in the field, or in this case, the ocean!

YOU MIGHT FIND THE FOLLOWING TYPES OF INFORMATION FROM A FIELD DRAWING:

- Name of fish
- Date
- Location
- Colors
- How the specimen was collected
- Shapes or patterns
- Textures

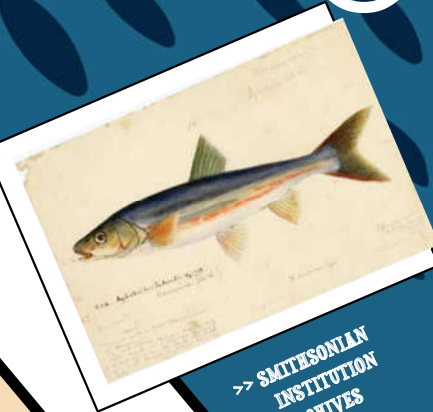
What types of creatures would you find as we explore the ocean?  
Use the drawings above to inspire you!

To learn more about ocean conservation work today, explore this portrait of an environmental advocate of Monterey Bay, California: [s.si.edu/Oceans](http://s.si.edu/Oceans).

Adapted from an activity from the National Museum of Natural History.



>> SMITHSONIAN INSTITUTION ARCHIVES



>> SMITHSONIAN INSTITUTION ARCHIVES

# STOP #5: LET'S GAZE AT THE STARS

An unrhymed, seven-line poem is called a diamante (dee-uh-MAHN-tay), Italian for diamond. The beginning and ending lines contain subjects—which can be synonyms or antonyms—and are the shortest, while the lines in the middle are longer, giving diamante poems a diamond shape.

Look closely at the artwork of the night sky by Gavin Jantjes and include nouns, adjectives and verbs that describe what you see and how you feel when you look at it. Include them in your own diamante poem below.



>> NATIONAL MUSEUM OF AFRICAN ART

## THE STRUCTURE OF A DIAMANTE POEM

- (LINE 1) NOUN
- (LINE 2) ADJECTIVE, ADJECTIVE
- (LINE 3) VERB, VERB, VERB
- (LINE 4) NOUN, NOUN, NOUN, NOUN
- (LINE 5) VERB, VERB, VERB
- (LINE 6) ADJECTIVE, ADJECTIVE
- (LINE 7) NOUN

## CREATE A DIAMANTE POEM

[Blank lines for writing a diamante poem, each labeled (LINE 1) through (LINE 7)]



To learn more about astronomy and figures you can find in constellations like the Inka did with the National Museum of the American Indian, visit [s.si.edu/InkaAstronomy](https://s.si.edu/InkaAstronomy).



**NOW. LET'S TAKE IN  
THE BEAUTY OF THE  
NATURAL WORLD  
AND SEE THE SIGHTS**

## **TRAVEL CHECKLIST:**

- Map your journey ✓
- Select your transportation ✓
- Enjoy food, entertainment and games ✓
- See the sights
- Look for butterflies
- Go birdwatching
- Compare city and country life
- Visit animals in a marsh
- Take in the warmth of the sun
- Spot a rainbow
- Dig up fossils
- Make art with nature
- Meet monkeys at the zoo
- Capture memories
- Tell your story

# WE COULD SEE MIGRATING MONARCH BUTTERFLIES...

People aren't the only living things that travel—many animals do too! Monarch butterflies travel around 3,000 miles when migrating—that's farther than the distance between Washington, D.C., and San Francisco!

## DID YOU KNOW?

The Monarch Butterfly has 4 wings, 6 legs, 2 antennae and 12,000 compound eyes! Monarchs are also perfectly symmetrical, meaning if you draw a line down the center you get two similar halves. Try drawing the other half of the monarch butterfly. What patterns and colors do you notice?

Pudimos ver mariposas monarca migratorias ... La mariposa monarca tiene cuatro alas, seis patas, dos antenas y ¡12,000 ojos compuestos! Son perfectamente simétricas. Esto significa que si dibujas una línea en el centro obtienes dos mitades iguales. Esto significa que si dibujas una línea en el centro y obtienes dos mitades similares, es simétrica. Intenta dibujar la otra mitad de la mariposa monarca. ¿Qué patrones y colores notas?



>> NATIONAL MUSEUM OF NATURAL HISTORY

To learn more about "Monarchs on the Move" from Smithsonian Gardens, visit [s.si.edu/butterfly](http://s.si.edu/butterfly).






>> NATIONAL ZOO & CONSERVATION  
BIOLOGY INSTITUTE

To test your knowledge of  
migratory birds like the oriole,  
visit [s.si.edu/Migration](http://s.si.edu/Migration).

Adapted from an activity from  
the National Museum of  
Natural History.



## OR WE COULD LOOK UP FOR LOCAL WILDLIFE

### MAKE YOUR OWN BINOCULARS

#### MATERIALS:

- Cardboard rolls
- Masking tape
- Hole punch
- Crayons and markers
- Yarn
- Stickers

#### INSTRUCTIONS:

**STEP 1:** Secure the two rolls together, side by side with a piece of rolled tape.

**STEP 2:** Wrap tape around them to form the binoculars.

**STEP 3:** Use the hole punch to make a hole on each side of the binoculars.

**STEP 4:** Tie the end of a strand of yarn through each hole.

**STEP 5:** Decorate with stickers, markers and crayons!

### TIPS FOR CAREGIVERS:

- These “binoculars” can be used to help your child focus on objects so they’re not distracted by other things.
- When your child is using them, ask:  
“What do you see?”  
“What colors and shapes do you see?”

# WE COULD COMPARE WHAT LIFE'S LIKE IN THE CITY AND COUNTRY

These two pictures are from the Smithsonian American Art Museum. One is a city scene. One is a country scene. Look closely at both. Are they totally different, or do they have something in common? Unscramble the letters below to point out details you notice



>> SMITHSONIAN AMERICAN ART MUSEUM

One is a city scene. One is a country scene. Unscramble the letters

In the country scene, you might find 6 men wearing **STHA**. \_\_\_\_\_

In the city scene, you might find 8 **PSTES** to climb. \_\_\_\_\_

In the two pictures, you might count a total of 28 **DBSRI**. \_\_\_\_\_

In the country scene, you might find 1 **SEHOU** with a red **OFOR**. \_\_\_\_\_

In the city scene, you might find 5 red **ERWLFSO** in a box. \_\_\_\_\_

**COUNT**

In the city scene, how many **KIDS** do you count? \_\_\_\_\_

**COUNT**

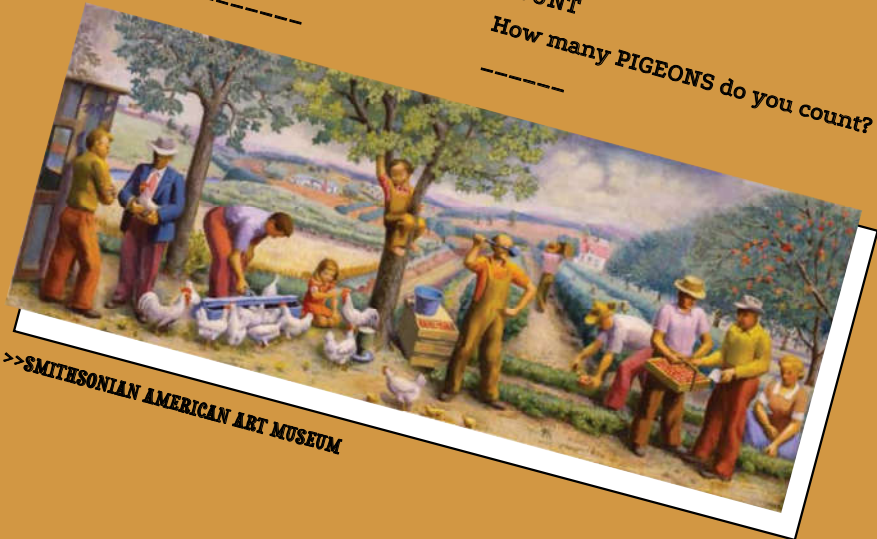
In the country scene, how many **KIDS** do you count? \_\_\_\_\_

**COUNT**

How many **PIGEONS** do you count? \_\_\_\_\_

**COUNT**

How many **CHICKENS** do you count? \_\_\_\_\_



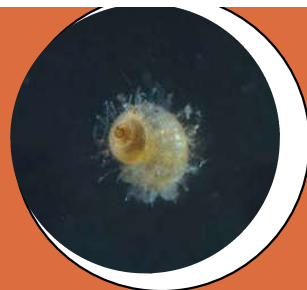
>> SMITHSONIAN AMERICAN ART MUSEUM



Adapted from an activity from the Smithsonian Center for Learning and Digital Access.

# OR, WE COULD VISIT ANIMALS IN MARSH WETLANDS

Below are four animals that live in a marsh wetland habitat. Unscramble the letters to reveal their names. Below each animal is a clue to their connection to their habitat.



>> NATIONAL MUSEUM OF NATURAL HISTORY

## ALNIS

This mollusk often lives in areas that are populated with a lot of plants.

## GFDYARNLO

The larvae of this insect are known to inhabit areas with shallow water.



>> NATIONAL MUSEUM OF NATURAL HISTORY

## TWNE

This aquatic amphibian often lives in a muddy habitat.



>> NATIONAL ZOO & CONSERVATION BIOLOGY INSTITUTE

## GETRE

This bird preys on small animals that mostly live in shallow water.



>> SMITHSONIAN TROPICAL RESEARCH INSTITUTE

To learn more about habitats, visit [s.si.edu/Habitats](http://s.si.edu/Habitats).

Adapted from an activity from the Smithsonian Science Education Center.

# WE COULD TAKE IN THE WARMTH OF THE SUN...

But first, what does the sun actually look like?

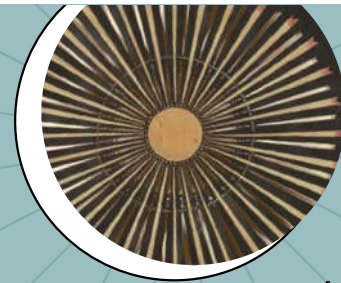
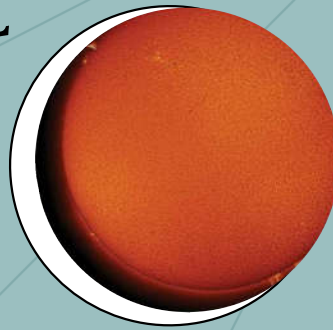
## PODRÍAMOS DISFRUTAR DEL CALOR DEL SOL ...

Pero primero, ¿cómo se ve realmente el sol?

Haz un dibujo del sol en el primer cuadro.

¿Qué notas sobre tu versión del sol?

¿Por qué elegiste agregar esas características?



Look closely at this artistic image of the sun.

What do you see?

What do you think about that?

What does that make you wonder?

Mira de cerca esta imagen artística del sol.

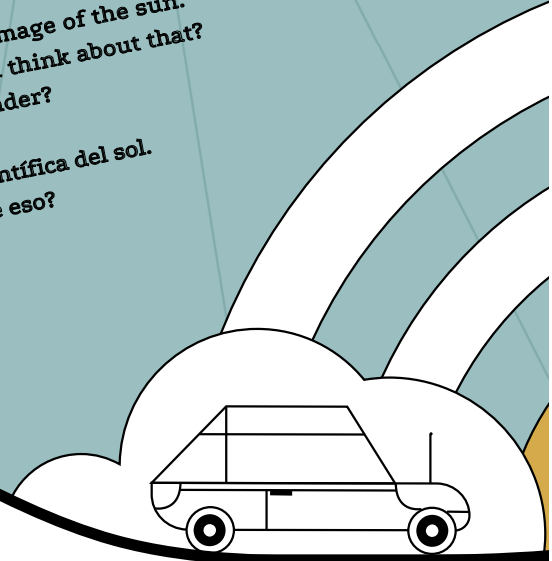
¿Qué ves?

¿Qué piensas sobre eso?

¿Qué te hace pensar eso?

Look closely at this scientific image of the sun.  
What do you see? What do you think about that?  
What does that make you wonder?

Mira de cerca esta imagen científica del sol.  
¿Qué ves? ¿Qué piensas sobre eso?  
¿Qué te hace pensar eso?



What do you notice about your version of the sun?  
Draw a picture of the sun above.

Why did you choose to add those features?  
After looking closely at both images, how would you make

changes to your picture? Draw your thoughts here.

Después de mirar detenidamente ambas imágenes.

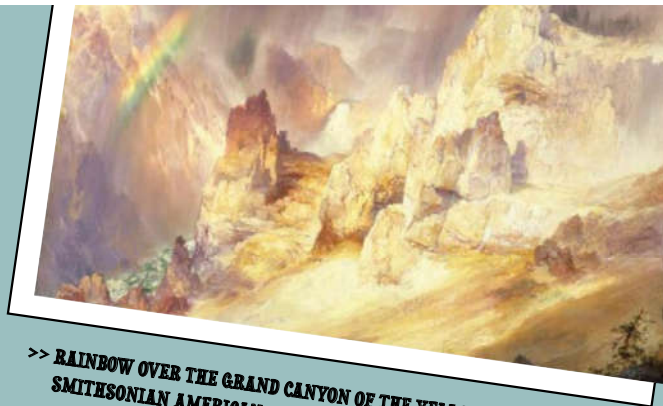
¿Qué cambios harías en tu dibujo original?  
Dibújalos aquí.

Adapted from an activity from the  
National Air and Space Museum.

To explore other representations of  
the sun, visit [s.si.edu/SunActivity](http://s.si.edu/SunActivity).

# OR WE COULD CREATE OUR OWN REMARKABLE RAINBOWS

While the weather might be unpredictable for our trip, the moments after a rainstorm can be best spent spotting rainbows. Look closely at the artwork to see if you can spot the rainbow over Yellowstone National Park. Then, create a rainbow sculpture, inspired by the work of contemporary artist Sam Gilliam, with some simple at-home materials.



>> RAINBOW OVER THE GRAND CANYON OF THE YELLOWSTONE. SMITHSONIAN AMERICAN ART MUSEUM

FOR THIS PROJECT, YOU WILL USE A COFFEE FILTER AS YOUR CANVAS.

## 1. GATHER MATERIALS

You'll need a coffee filter (paper towels and paper napkins are a good substitutes), markers, spritz bottle, tape and a piece of paper.

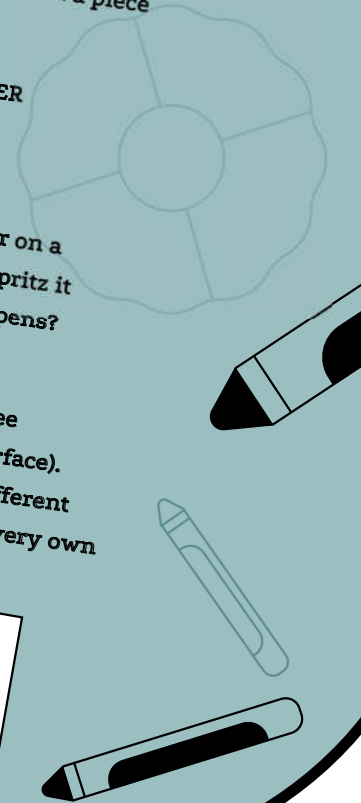
## 2. COLOR THE COFFEE FILTER with markers.

## 3. ADD WATER

Place the colored coffee filter on a protected surface and then spritz it lightly with water. What happens?

## 4. CREATE YOUR SCULPTURE

Use tape to attach the dry coffee filter to paper (or any other surface). Explore draping the filter in different ways to transform it into your very own sculptural artwork.



Adapted from an activity from the Hirshhorn Museum and Sculpture Garden.

To try other art-inspired activities, check out [s.si.edu/ArtMaking](http://s.si.edu/ArtMaking).

# LET'S DIG UP SOME FOSSILS IN THE ROCKY MOUNTAIN REGION

Fossils are the remains of life more than 10,000 years old.

Search for keywords below in the word search.

To learn more about fossils, explore this *Deep Time* exhibition online from the National Museum of Natural History: [s.si.edu/Fossils](https://s.si.edu/Fossils).

- AMBER
- CAST
- EXTINCT
- FOSSIL
- IMPRINT
- MOLD
- ORGANISM
- PALEONTOLOGY



Y	S	R	N	W	K	T	A	W	D	Z	E	M	L	I
X	G	B	F	Y	L	C	M	H	G	V	E	S	L	V
E	B	O	K	O	K	K	B	Q	Z	U	E	I	X	X
B	H	B	L	C	S	T	E	X	T	C	Z	N	H	O
S	H	M	H	O	C	S	R	B	X	X	N	A	F	F
U	R	Q	M	N	T	Q	I	F	W	O	H	G	U	Q
V	X	Z	I	D	J	N	L	L	A	K	O	R	F	Y
F	Q	T	W	W	C	O	O	N	N	M	P	O	D	E
K	X	H	A	T	B	M	A	E	Z	Z	G	K	C	F
E	I	M	P	R	I	N	T	Z	L	H	R	W	U	K
S	Y	M	X	V	E	G	K	M	A	A	M	Z	R	J
T	S	A	C	J	R	W	O	F	T	E	P	U	J	W
E	T	U	U	H	F	L	I	P	P	F	Y	L	I	H
V	K	W	V	E	D	U	U	E	X	P	O	L	T	L
A	I	Q	K	L	H	F	K	S	A	Q	P	V	W	V



## WE COULD MAKE ART WITH FLOWERS FROM A GARDEN...



### MATERIALS:

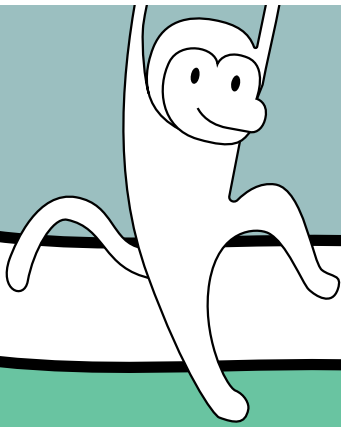
- Real flowers
- Scissors
- Rolling pin
- Coffee filters
- Pipe cleaners

- 1 Pull the flowers apart to explore the different sections.
- 2 After you've taken the flower apart and explored all the parts, put petals, stems and leaves in between two coffee filters.
- 3 Roll over with the rolling pin and see how the colors dye the coffee filter.
- 4 Fold the filter into quarters with a point at one end. Twist a pipe cleaner around the point to create a stem. Fluff out the rounded edges of the "flower." Repeat to make a whole bouquet.



To explore more at-home crafts,  
visit [s.si.edu/Crafts](https://s.si.edu/Crafts).

Adapted from an activity from the  
Smithsonian American Art Museum.



Adapted from an activity from the National Museum of Asian Art.

# OR WE COULD MEET THE MONKEYS AT THE NATIONAL ZOO IN WASHINGTON, D.C.

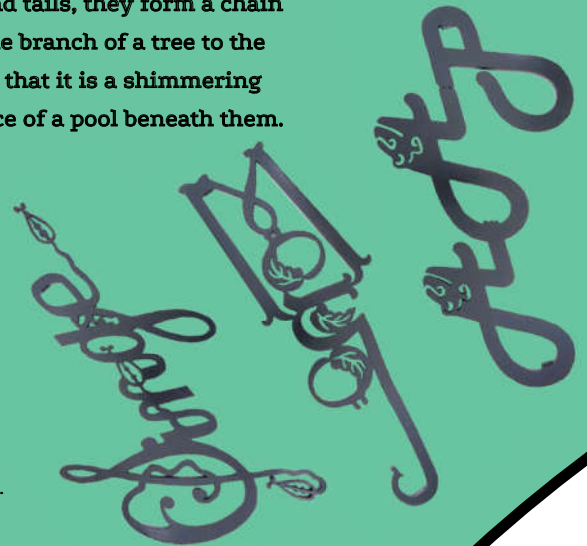
Did you know? The National Zoo & Conservation Biology Institute is home to two white-eared titi monkeys, Henderson and Kingston. Titi monkeys are social monkeys that often live next to rivers and lakes in the Amazon River Basin. They are known for tail entwining, when two monkeys sit with their tails wrapped around each other. It is used to help bonding among pairs.

This art installation is called “Monkeys Grasp for the Moon” by Xu Bing. The sculpture is based on a Chinese folktale of monkeys who try to capture the moon. Linking arms and tails, they form a chain reaching down from the branch of a tree to the moon, only to discover that it is a shimmering reflection on the surface of a pool beneath them.

## THE ARTWORK INCLUDES THE WORD MONKEY REPRESENTED IN 12 LANGUAGES, SUCH AS:

- Affe in German
- Aap in Afrikaans
- Scimmia in Italian
- Singe in French
- Mono in Spanish

See if you can match the language to the words at right.



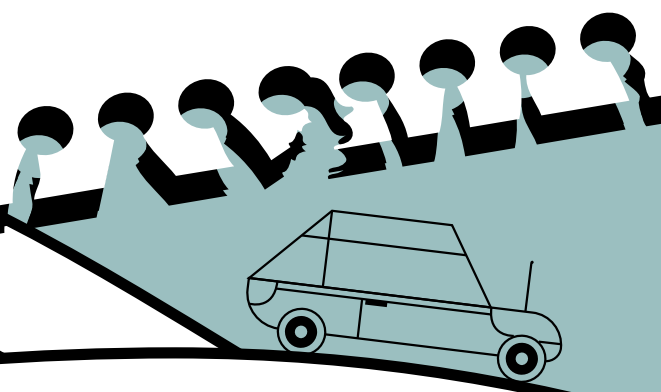
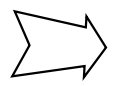
Answers: French, Spanish, Afrikaans



# TRAVEL CHECKLIST:

- Map your journey ✓
- Select your transportation ✓
- Enjoy food, entertainment and games ✓
- See the sights ✓
- Capture memories
- Write a postcard to a friend
- Customize a stamp
- Keep a journal
- Tell your story

WITH SO MANY  
NEW MEMORIES,  
HOW WILL WE  
SHARE THEM WITH  
OTHER PEOPLE?



# WRITE A POSTCARD TO A FRIEND

Imagine you are standing on a beach blanket in the scene below.

- How do you feel?
- What is the weather like?
- What is happening all around you?
- What do you hear?

Write a postcard, or short note, that you might mail to a friend or family member to tell them about your day at the beach.



TO:

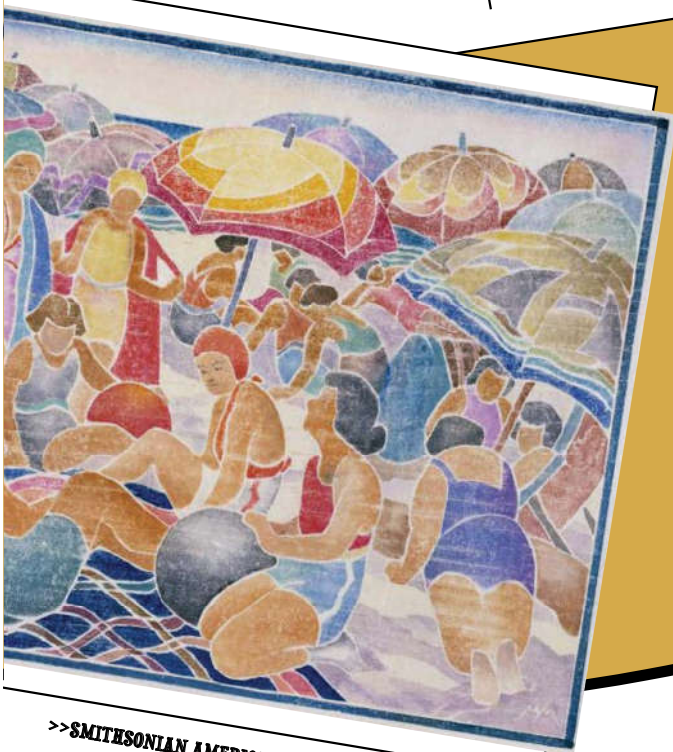
ADDRESS:

# ESCRIBE UNA POSTAL A UN AMIGO

Imagina que estás parado sobre una toalla de playa en la escena a la izquierda.

- ¿Cómo te sientes?
- ¿Qué tal está el clima?
- ¿Qué está pasando a tu alrededor?
- ¿Qué escuchas?

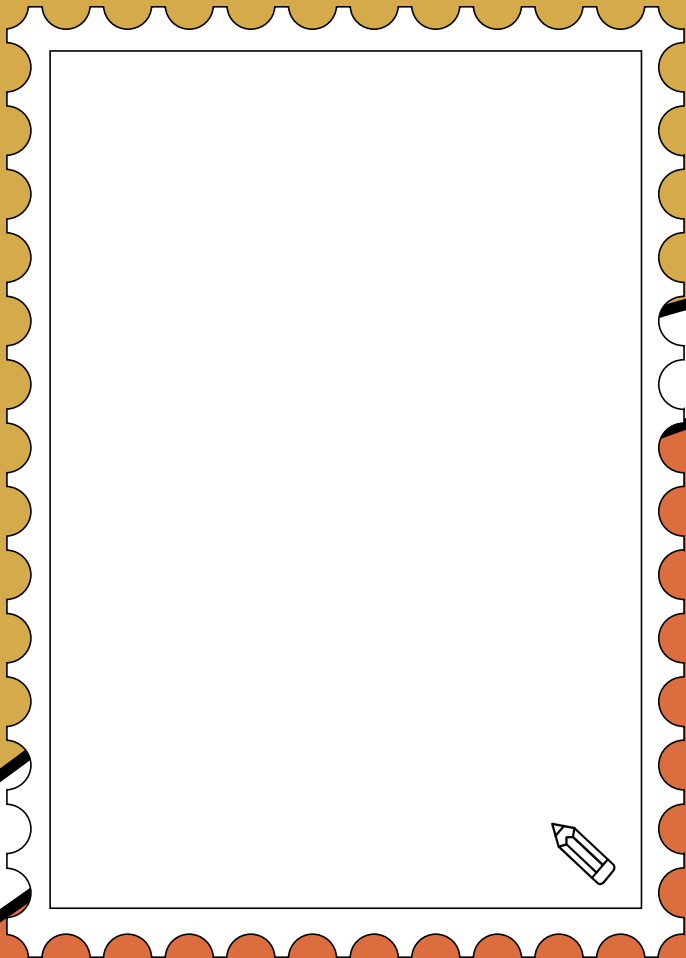
Escribe una tarjeta postal, o una nota breve, que puedas enviar por correo a un amigo o familiar para contarle sobre tu día en la playa.



>> SMITHSONIAN AMERICAN ART MUSEUM

Want to send a note to a friend? Print off a postcard at [s.si.edu/Postcard](http://s.si.edu/Postcard).

Adapted from activities from the Smithsonian American Art Museum and the National Postal Museum.



To learn more about the process of designing stamps and getting them approved, visit [s.si.edu/Stamp](https://s.si.edu/Stamp).

Adapted from an activity from the National Postal Museum.

## THEN, DESIGN A STAMP FOR YOUR POSTCARD

### WHAT WILL BE THE FOCUS OF YOUR STAMP?

Here are some ideas to get you started.

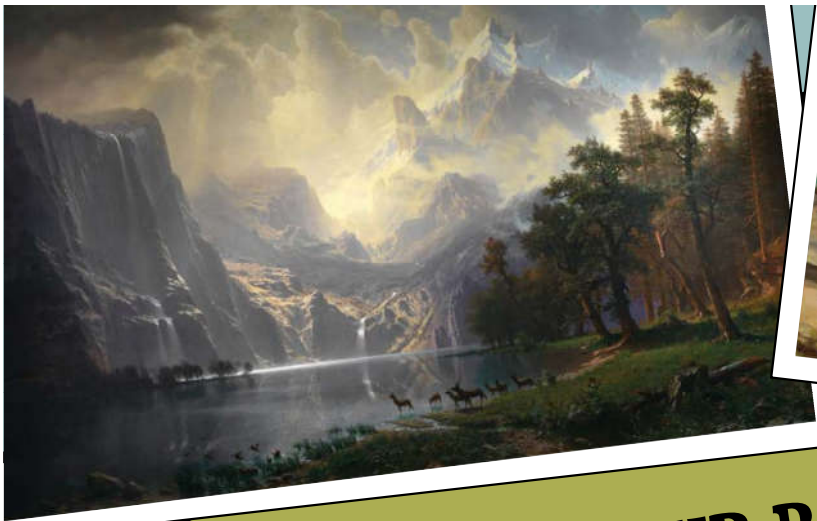
**PEOPLE:** Presidents, inventors, scientists, writers, civil rights figures

**PLACES/EVENTS:** Monuments, natural wonders, man on the moon

**THINGS:** Popular culture, native plants and animals, sports, heritage months (such as Black History)

Did you know? Each stamp subject starts as a suggestion from a person just like you!

Each year, thousands of people send in suggestions to the United States Postal Service. A small group called The Citizens' Stamp Advisory Committee makes recommendations to the postmaster general on what stamp subjects to print in the next few years.



# JOURNAL ABOUT OUR ROAD TRIP

Make a list of words based on what you see in the mountain and carnival scenes.  
Then fill in the blanks to create a silly story.

- List six nouns (two living things, two non-living things and two places)
- List six adjectives (descriptive words)
- List three verbs (action words)



Dear Journal,

This adventure across the United States has been so \_\_\_\_\_ ADJECTIVE ! One of my \_\_\_\_\_ ADJECTIVE places to  
\_\_\_\_\_ VERB was \_\_\_\_\_ NOUN (place) to look up and see a \_\_\_\_\_ NOUN (non-living thing)

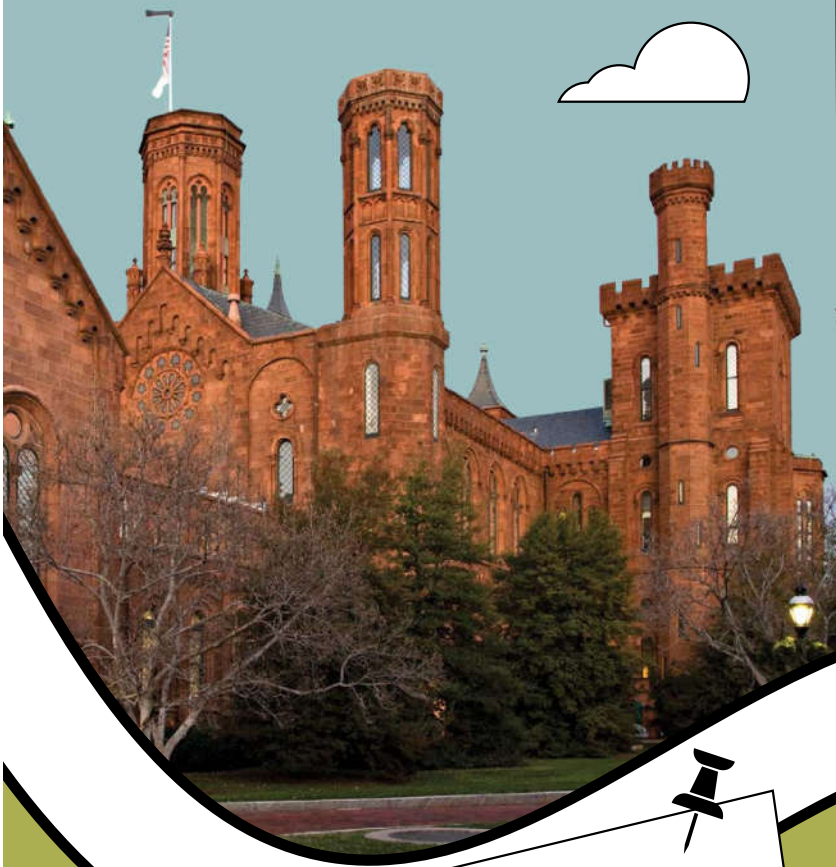
A few days later, we \_\_\_\_\_ VERB (past tense) to our next \_\_\_\_\_ ADJECTIVE location \_\_\_\_\_ NOUN (place). My friend and I were

\_\_\_\_\_ ADJECTIVE when we \_\_\_\_\_ VERB (past tense) a \_\_\_\_\_ NOUN (non-living thing) and heard a \_\_\_\_\_ NOUN (living thing) say,  
"Take a look at that \_\_\_\_\_ NOUN (living thing)!"

Until tomorrow's next adventure,

\_\_\_\_\_  
YOUR NAME

# YOU'VE ARRIVED AT THE SMITHSONIAN CASTLE IN WASHINGTON, D.C.!



When you've completed the activities in this guide, have an adult share the creation you're most proud of on social media using the hashtag: #SmithsonianEdu.

At the Smithsonian, we tell stories in all we do. There are many ways to tell stories, and we want to hear from you.

## HERE ARE SOME IDEAS OF WAYS YOU MIGHT TELL YOUR STORY:

- Interview and record a relative or friend
- Create an exhibit diorama telling stories through objects

## DID YOU KNOW?

The Smithsonian isn't just one museum; it includes 19 museums, nine research centers and the National Zoo! Topics covered include art, culture, history and science.

En el Smithsonian, contamos historias en todo lo que hacemos. Hay muchas maneras de contar historias y queremos saber de ti. Aquí hay algunas ideas de formas en que podrías contar tu historia:

- Entrevista y graba a un familiar o amigo
- Crea una maqueta de exhibición contando historias a través de objetos.

## ¿SABÍAS QUÉ?

El Smithsonian no es solo un museo. ¡Incluye 19 museos, nueve centros de investigación y el Zoológico Nacional! Los temas que abarcan incluyen arte, cultura, historia y ciencia.

Cuando hayas completado las actividades de esta guía, haz que un adulto comparta la creación de la que estás más orgulloso en tus redes sociales: #SmithsonianEdu.

# TELL A STORY WITH WORDS

Interview and record a relative or friend about their favorite travel memory.

THESE STEPS FROM THE SMITHSONIAN INSTITUTION ARCHIVES TEAM MIGHT BE HELPFUL:

1. Ask someone to participate
2. Prepare for the interview
3. Be an active listener
4. Record the interview
5. Thank your interviewee

Interviewer: .....

Interviewee: .....

Date: .....

Location: .....

## BRAINSTORM QUESTIONS HERE:

.....

.....

Entrevista y graba a un familiar o amigo sobre el recuerdo de su viaje favorito.

ESTOS PASOS ESTABLECIDOS POR EL EQUIPO DE ARCHIVOS DEL INSTITUTO SMITHSONIAN PUEDEN SERTE ÚTILES:

1. Pídele a alguien que participe
2. Prepárate para la entrevista
3. Sé un oyente activo
4. Graba la entrevista
5. Dale las gracias a tu entrevistado

Entrevistador (tu nombre): .....

Entrevistado: .....

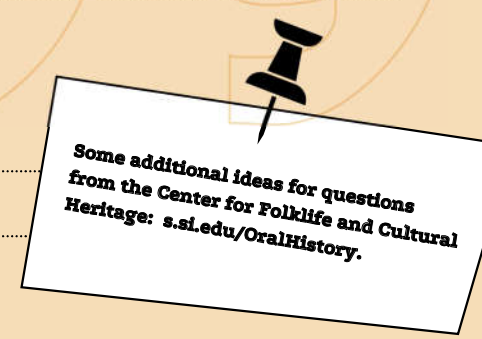
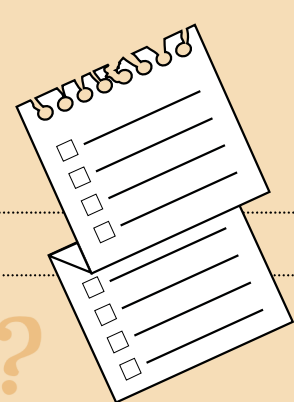
Fecha: .....

Ubicación: .....

## HAZ UNA LLUVIA DE IDEAS AQUÍ:

.....

.....





For more inspiration, visit [s.si.edu/MiniExhibit](http://s.si.edu/MiniExhibit).

Adapted from an activity from the Cooper Hewitt, Smithsonian Design Museum.

# TELL A STORY WITH OBJECTS

Create an exhibit diorama telling travel stories through objects.

## 1. THINK OF AN EXHIBITION THEME

You might consider a travel-related theme like souvenirs from past trips, or postcards from friends

MY THEME IS: .....

## 2. IDENTIFY YOUR OBJECTS

My objects are: .....

## 3. CONSIDER YOUR FINAL ARRANGEMENT

I'll organize my objects by: .....  
Alphabetically? Geographically? By color? By size? By shape?

## 4. Pick a title, add labels and graphics

MY TITLE IS: .....

Image Credits: Page 1 Electronic Superhighway, Smithsonian American Art Museum, Gift of the artist © Nam June Paik Estate. Page 2 Lonnie G. Bunch III, Smithsonian Institution. Page 4 Smithsonian Castle at Dusk, Ken Rahaim, Smithsonian Institution. Page 5 Dorothy's Ruby Slippers, Merle Banta, Fred Carr, and Stephen Hinchliffe, National Museum of American History, Division of Cultural and Community Life. Page 6 Cadillac Tonneau, 1903, National Museum of American History, Division of Work and Industry. Activity adapted from Build a Pasta Concept Car activity from the National Museum of American History's Spark!Lab. Page 7 Preamble, Smithsonian American Art Museum, Gift of Nissan Motor Corporation in U.S.A. Page 8 Bessie Coleman, Smithsonian Institution. Activity adapted from the National Air and Space Museums' Make a Biplane activity. Page 9 Boat seat with spider web design, Collection of the Smithsonian National Museum of African American History and Culture, Gift of Juan Garcia Salazar. Page 10 Sidewall, Astronauts & Spaceships, 1954; Manufactured by The Prager Company, Inc. ; USA; machine printed on textured ground; Overall: 126 x 52.5 cm (49 5/8 x 20 11/16 in.); Gift of Suzanne Lipschutz, 1991-89-111; Cooper Hewitt, Smithsonian Design Museum; Photo: Matt Flynn © Smithsonian Institution. Drawing, Concept Car, 1955; Designed by Pete Wozena (American, 1918-2006) for Office of General Motors (Detroit, Michigan); Color pencil, brush and gouache on paper; 19 11/16 x 25 5/8 in. (50 x 65.1 cm); Museum purchase through gift of Paul Herzan and from General Acquisitions Endowment Fund, 2017-18-8; Cooper Hewitt, Smithsonian Design Museum; Photo: Matt Flynn © Smithsonian Institution. Story the Eleventh – Ballooning, National Air and Space Museum, Gift of Harry F. Guggenheim. Page 14 Op-Art Lunch Box, National Museum of American History, Division of Cultural and Community Life. Astronaut Lunch Box, National Museum of American History, Division of Cultural and Community Life. The Muppets Lunch Box, National Museum of American History, Division of Cultural and Community Life. Pele Lunch Box, National Museum of American History, Division of Cultural and Community Life. Page 15 Lewis and Clark Expedition Pocket Compass, National Museum of American History, Division of Political and Military History. Leica M3 Camera with 50 mm f/1.4 lens, National Museum of American History, Division of Work and Industry. Jesse S. Wooley, National Portrait Gallery, Smithsonian Institution; gift of Larry J. West. Page 16 Radio City Deli, Smithsonian American Art Museum , Gift of an anonymous donor. © 1982, Robert Cottingham. Flock of Geese, Smithsonian American Art Museum, Gift of Laura Dreyfus Barney and Natalie Clifford Barney in memory of their mother, Alice Pike Barney. RFD Mailbox, National Postal Museum. Page 17 First Lady Michelle Obama, National Portrait Gallery, Smithsonian Institution. First Lady Michelle Obama Coloring Sheet, Based on: First Lady Michelle Obama by Amy Sherald, National Portrait Gallery, Smithsonian Institution. Grand Dame Queenie, Collection of the Smithsonian National Museum of African American History and Culture, © Amy Sherald. Page 18 Activity adapted from Taiko Drumming Learning Guide by Smithsonian Associates' Discovery Theater. Photo: Taiko Artist Mark H. Rooney. Page 20 Trumpet owned by Louis Armstrong, Collection of the Smithsonian National Museum of African American History and Culture. Red Beans and Rice Recipe courtesy of Chef Rock Harper, National Museum of American History. Page 21 Illustration of Balistoid, Smithsonian Institution Archives. Watercolor of Cyprinoid by Joseph Drayton, Smithsonian Institution Archives. Page 22 Gavin Jantjes, South Africa, Untitled, 1989-1990, Acrylic on canvas, 200 x 300 cm (78 3/4 x 118 1/8 in.) National Museum of African Art, Smithsonian Institution, purchased with funds provided by the Smithsonian Collections Acquisition Program, 96-23-1. Photograph by Franko Khoury. Page 24 2c Monarch Butterfly single, Copyright: United States Postal Service, National Postal Museum. Monarch, National Museum of Natural History. Page 25 Baltimore Oriole, Pam Jenkins, Smithsonian's National Zoo. Page 26 Local Industries (mural study), Smithsonian American Art Museum, Transfer from the Internal Revenue Service through the General Services Administration. Brownstone, Smithsonian American Art Museum, Gift of Mr. Philip Desind. Page 27 Great Egret (Ardea alba) & Snowy Egret (Egretta thula), Steven Paton, Smithsonian Tropical Research Institute. Bursa thomae, National Museum of Natural History, Invertebrate Zoology Dept. Perithemis seminole, National Museum of Natural History, Entomology Dept. Red Spotted Newt, Smithsonian's National Zoo. Page 28 Lantern Slide, Rising Sun, CA. 1780, Museum purchase through gift of Mary Hearn Greims and George A. Hearn and from the Misses Hewitt Fund; 1937-18-22; Cooper Hewitt, Smithsonian Design Museum. Sunday – January 19, 2011, Erin Braswell, Smithsonian Institution. Page 29 Rainbow over the Grand Canyon of the Yellowstone, Smithsonian American Art Museum, Bequest of Marion H. Conley. Page 30 Triceratops horridus Marsh, 1889, National Museum of Natural History. Fossil Perch, National Museum of Natural History. Fossil Nautilus, National Museum of Natural History. Fossil Birch, National Museum of Natural History. Page 31 Activity adapted from the Smithsonian American Art Museum's Flower Exploration and Natural Dye Lab activity. Inspired by No Time For Flash Cards' Flower Lab- Explore With Nature Activity (May 2014). Page 32 Monkeys Grasp for the Moon, Arthur M. Sackler Gallery, Smithsonian Institution, Washington, D.C.: Purchase – funds provided by the family of Madame Chiang Kai-shek (Chiang Soong Mayling 1898-2003), S2004.2.1-21. Titi Monkey, Skip Brown, Smithsonian's National Zoo. Page 34 Blue Beach, Smithsonian American Art Museum, museum purchase. Page 36 Travelling Carnival, Santa Fe, Smithsonian American Art Museum, Gift of Mrs. Cyrus McCormick. Among the Sierra Nevada, California, Smithsonian American Art Museum, Bequest of Helen Huntington Hull, granddaughter of William Brown Dinsmore, who acquired the painting in 1873 for "The Locusts," the family estate in Dutchess County, New York 1868 Page 37 Lonnie G. Bunch III, Jaclyn Nash, Smithsonian Institution. Page 39 "Things that are Red" by Kim Robledo-Diga, Cooper Hewitt Education Department.

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