

# SUMMER CHALLENGE 2021 Activity Book



wfsu.org/summerchallenge



# Mountains, Hills, & Mounds

Welcome to a summer of fun with the Community Classroom Consortium's Activity Book. Find activities to do from partners all across north Florida!

Participate in WFSU's Summer Challenge by completing activities in the Summer Challenge Checklist, found on the next page and online at www.wfsu.org/summerchallenge



The Community Classroom Consortium (CCC) is a coalition of more than thirty cultural, scientific, natural history, and civic organizations in north Florida and south Georgia that provide educational experiences and resources to the public, especially K-12 teachers and students. CCC was established in 1989 through a grant from the Smithsonian Institution's "Regional Workshop Program." In 1995, the Consortium became a 501 ©(3) nonprofit organization with bylaws and an elected board of directors.





wwwfsu.org/education/



# Summer Challenge Checklist

Visit pbslearningmedia.org and search for "Camp TV" to find videos and at-home activities to try.

Tune into WFSU-TV for daily Camp TV episodes +5 points per activity!

There are Native American Mound sites all around us, visit one or more and document it. Draw and/or write about what you saw and learned! + 5 points!

Go to missionsanluis.org/learn and complete ONE of the following activities: ONE Summer Camp Lesson OR ONE Homeschool Day Lesson, OR the Virtual Foodways Scavenger Hunt. + 5 points!

Complete at least 8 of the activities on the Cyberchase Green It Up! Kids Can Help Checklist found in this activity booklet and in you WFSU Summer Challenge bag! It's the poster. + 10 points!

Grow a container garden from seeds or food scraps (stick the ends of celery, lettuce, or onions in a shallow glass of water; once the roots sprout, plant it in some soil)! + 5 points per veggie!

Visit the St Mark's Wildlife Refuge at least once during the summer. Share what you did during your visit with us on Facebook: @wfsu\_education, #wfsusummerchallenge! + 10 points!

Keep track of the books you read throughout the summer. How many did you read? + 1 point per book!

Create your own coloring book. + 10 points, and + 5 more for sharing it with us!

Volunteer to help a community organization or find a cause to help in your neighborhood. + 10 points!

Visit an art museum and draw your favorite artwork! + 5 points per drawing!

Florida has 175 state parks. Find them on a map and see which parks are closest to you. Visit as many state parks as you can this summer. + 5 points per park!

Visit wfsu.org/molly to visit our 'Ready to Learn' Virtual Molly of Denali Museum. Complete at least one activity in the museum. + 5 points per activity!

Discover owls, opossums, turtles, kinkajous, and more with the LeRoy Collins Leon County Public Library Summer Reading programs! Catch one of these programs on Zoom: https://tinyurl.com/LCPLCalendar + 5 points!

Attend one of Coastal Plains Institute's
Dipnetting Days (details at coastalplains.org).
Share a photo and tag us on social media
@coastalplainsinstitute. +10 points!





Submit your checklist by August 1st to win prizes and fun stuff from the world of WFSU Public Media and PBS KIDS! Follow WFSU Education on Facebook or check wfsu.org/summerchallenge for more info.

Create your own challenges and find more ideas throughout the summer @wfsueduction on social media, #wfsusummerchallenge



# KIDS CAN HELP!



Check off the list below as you go!







Cut off the bruised part and

Plant a container garden

either in your yard, on

a porch, or inside by

a window.

eat the rest.



of throwing away what you don't finish. Split a snack with a friend instead

Plant native plants, or plants from your local area.

These are the best homes and food sources for

insects and other animals that live near you.

Take a small portion on your plate at first, so that











Help at a local community garden with planting, weeding,

picking, and caring for plants.











Plant pollinator-friendly flowers Research online to see what that are native to your area. ou should plant.

Be nice to bees! The best way to avoid being stung is

to stay calm and not disturb them.

little bit of water in a plate or shallow dish with some Make a bee drinking fountain in your garden. Put a flat rocks in it.

oicked limits the distance it travels to get to you.

Learn which foods grow in which season where

you live. Buying local food right after it's been

Help your family find locally grown food at the

OOD MILES

Bring food scraps from

your home to a local farmer's market or

Create a compost bin

at home.

garden that composts.

grocery store. You can also shop at farmer's

markets to find local food.





Check out books from the library or trade with friends instead of buying them from a store. that you can't recycle it if it's stained with food or grease.











Recycle paper and cardboard whenever you can. Remember

Bring your lunch in a reusable lunchbox or bag instead of a paper one.

try to find something else or a "Rainforest Certified" product instead Look out for foods that have "palm oil" listed as an ingredient, and Companies cut down large rainforests to make the oil.



For more information on Cyberchase: Green It Up, go to Wnet.org/Education/GreenItUp



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### **Collecting and Sorting**





Children are naturally curious about the world around them, just like Elinor and her friends Ari and Olive. You can nurture that curiosity by encouraging your child to make careful observations of the things she is curious about.

A good way to do this is by collecting and sorting objects. Kids love to collect things! And sorting requires your child to look closely at the different properties of an object such as color, shape, size, smell, and texture. When deciding which ones go together, your child practices another important skill—comparing and contrasting.

### **Make a Sorting Box**

Help your child make a sorting box by gluing the illustration from the link below to the bottom of a used, cardboard shipping box that is about the same size. You can also use a cereal box. Lay the cereal box on its side and cut away the other side so you have an open box.



www.pbs.org/parents/ printables/collecting-and-sorting

### Many Ways to Sort

Now go on an object hunt, either inside or outside. Ask your child to find 10 small objects to sort. Place the objects in the large section of the box with the tape measure. Have your child

look at the objects and sort them by one property (e.g., color, shape, size) into the smaller compartments. The tape measure in the box will help if your child chooses to sort by size.

Once your child has sorted the objects one way, suggest that she tries sorting them a different way!

There are many other ways to sort objects:

- natural or human-made
- what they are used for
- soft or hard

- the sound they make
- found inside or outside
- ones that sink or ones that float

You can have fun sorting with your child by turning it into a guessing game. Each time your child sorts a group of objects, tell her that you will guess the property she used to sort them.









## **Backwards Day**

Watch Camp TV on WFSU all summer long!

Monday - Friday afternoons at 2:00 p.m.



Meet a tarantula, go gaga over graphs, make parachute cups, learn about palindromes. Content partners include the Memphis Zoo, the National Dance Institute, the New Victory Theater, the Intrepid Museum, Liberty Science Center, and Bedtime Math.

Major funding for  $Camp\ TV$  is provided by the Corporation for Public Broadcasting. Additional funding is provided by Joan Ganz Cooney.

### **Materials Needed:**

- Field Trip with the Intrepid Sea, Air & Space Museum
  - Blank piece of paper
  - Scissors
  - Clear tape

- String
- Disposable cup or plastic bottle
- Gaga Over Graphs with Bedtime Math
  - Masking tape
  - A set of items to plot
  - Scratch paper or sticky notes

View step-by-step graph instructions and information here



# **Eco-Friendly Puppets with the Children's Museum of the Arts**

- Bamboo skewer
- Brass fastener
- Cardstock
- Found and recycled materials
- Glue

- Hole punch
- Masking tape
- Pipe cleaners
- Scissors
- Stapler

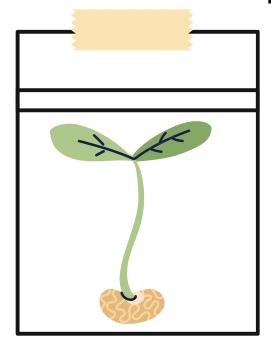
View step-by-step graph instructions and information here





wfsu.org/education/camp-tv/

# Let's Grow! Beans



- 1. Dampen paper towel with water
- 2. Place wet paper towel in zipper bag
- 3. Place bean on top of wet paper towel and close the bag
- 4. Place zipper bag in a warm, sunny spot. Try taping it to a window.
- 5. Add water to paper towel when it dries out
- 6. Observe your plant as it grows.

Does your bean grow roots or leaves first?
What color are the roots?
How many leaves emerge?

### What's happening in this experiment?

Germination, the process that beans and other seeds use to grow roots and leaves. Because they are in a clear bag, we can see the roots emerge from the bean as they develop. Usually the beans would be planted in the ground where we can't see the roots.

Join us for summer camps, workshops and classes year round. Register at our Eventbrite ⇒











### Read Along and Color with Us!

As you color Will, read along with one of Shakespeare's most well-known sonnets.

www.SouthernShakes.org

### William Shakespeare's Sonnet 18

Shall I compare thee to a summer's day?

Thou art more lovely and more temperate:

Rough winds do shake the darling buds of May,

And summer's lease hath all too short a date:

Sometime too hot the eye of heaven shines, And often is his gold complexion dimmed, And every fair from fair sometime declines, By chance, or nature's changing course untrimmed: But thy eternal summer shall not fade, The mysemas of his Nor lose possession of that fair thou ow'st. Nor shall death brag thou wander'st in his shade. When in eternal lines to time thou arow'st, So long as men can breathe, or eyes can see, So long lives this, and this gives life to thee.

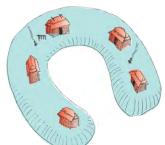
# PEOPLE AND THE LANDSCAPE

MOUNDS: Piles of dirt, sand, or shell built for a specific use.

MIDDENS: Piles of trash built up over time by human activity.

### PLATFORM MOUND:

Sometimes a ramp might be built to the top of these mounds where a house or temple would sit.



SHELL RING: People would build their houses on top of the shell ring, sometimes they could be

more than 800 feet wide!

BURIAL MOUND:

Like a graveyard today, these mounds were used as a place to bury the dead



HOUSE MIDDEN: Similar to a modern garbage dump, a house midden shell and bone.

but also other trashlike broken pottery and stone tools.





DIRECTIONS: Sometimes several different types of mounds and middens can be found at one site. Look at this map, below. Each mound or midden is labeled with a letter. In the spaces below, write what type of mound or midden you think each one is. Look at the descriptions above to help you decide.



### A & H

Made of shell, large ramp to the top. These are:

C - G Small and made of sand, archaeologist found graves inside of them. These are:

Made of shell & other prehistoric trash, someone might have lived on top of them. These are:





During spring and summer the wildlife world explodes with activity, and so does St. Francis Wildlife. This is when our local wildlife rehabilitation center rescues thousands of orphaned and injured birds, opossums, bunnies and other wildlife.

### 1. Watch a Video

On the St. Francis Wildlife home page, www.stfranciswildlife.org, watch a beautiful, short video of some of the animals in our wildlife hospital: White-tailed Deer fawns, baby Chimney Swifts, Red-tailed Hawk, baby Opossums, Barred Owl, Box Turtle, Great Horned Owl, baby Grey Squirrels, baby Blue Jay, Red-shouldered Hawk, Yellow-bellied Slider Turtle.

### 2. Write a Metaphor List Poem

What is a metaphor? Sometimes we compare something new and unfamiliar to something else we already know. Both things the old and the new have something in common, and it is what they have in common that helps us understand the new thing. When we compare two things in this way, it's called a metaphor.

Create metaphors for at least five of the animals in this video. Don't use the words like or as. Use your most surprising or most musical metaphor in the last line.

### Example:

- Screech Owls are chunks of tree bark.
- Turkey Vultures are compost piles.
- Striped Skunks are Oreo cookies.
- Bald Eagles are snow-capped mountains.



3. Draw a picture of the animals in your poem.

### 4. Share

If you would like to share, we would love to read your metaphor poem and see your picture. Please scan and send them to St. Francis Wildlife at wildclassroom@comcast.net. Include your name, age and school, and we may publish it on our Facebook page or in our newsletter.



www.stfranciswildlife.org

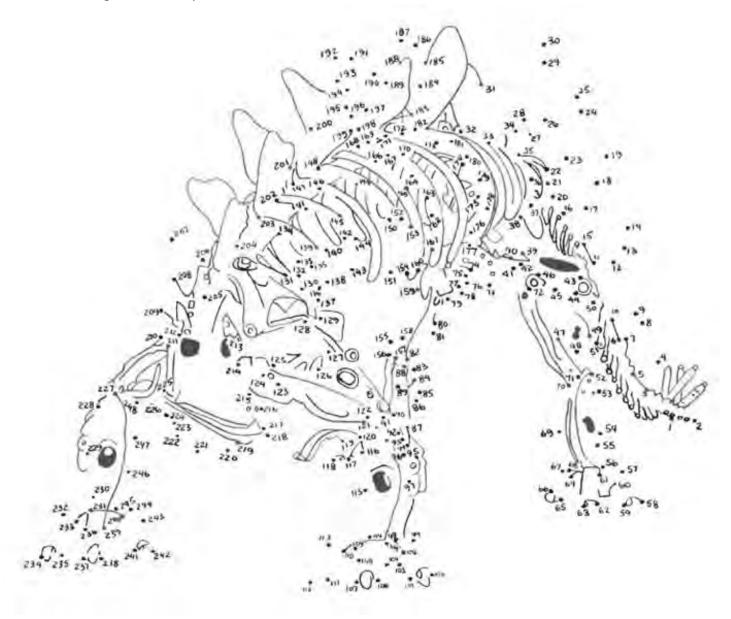




3945 Museum Drive Tallahassee, FL 32310

Phone: (850) 575-8684 tallahasseemuseum.org

The Museum's 52 acres of native Florida wildlife exhibits, nature trails, and historic buildings are renowned by visitors of all ages. Jim Gary's Twentieth Century Dinosaurs features vividly colored dinosaurs sculpted from recycled car parts that evoke thoughts about science, art, and sustainability. Tallahassee Tree to Tree Adventures, the Museum's zip line and aerial adventure course, encourages visitors to explore the majesty of nature from high in the trees. With amazing native animals, rare historic buildings, beautiful natural scenery, exciting educational programs, and special events there's something here for everyone.



# SOCK MANATEE ACTIVITY

Here is an easy activity for children to do to help them learn about manatees.

The cost of the materials is minimal and the end product is adorable.

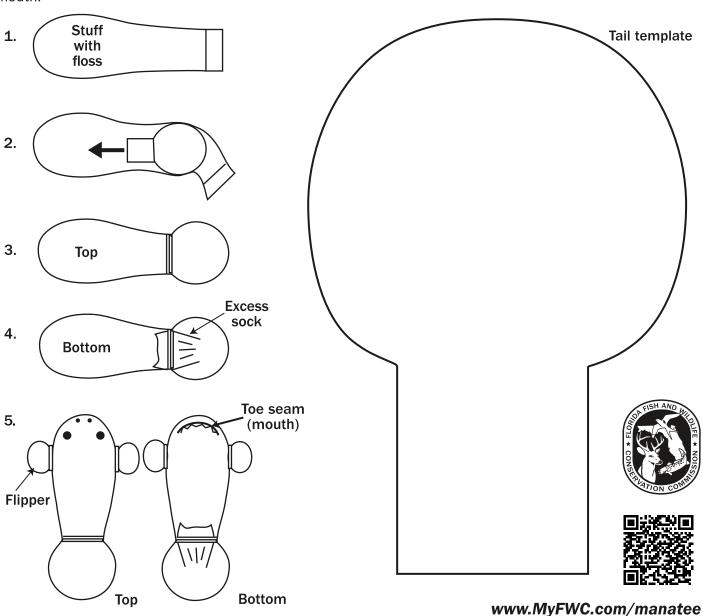
### Materials needed

1 gray tube sock or 1 gray or black nylon knee high stocking, 2 handfuls of floss material, 3 rubber bands (2 small and one medium), 1 black permanent marker, 1 poster board for tail insert.

### **Directions**

- 1. Stuff sock with fiber fill material, leaving about 1/4 of the sock unstuffed.
- 2. Insert light bulb shape tail section into the fill material, leaving only the rounded section exposed.
- 3. Fold excess sock over and around the tail cutout. Secure with a medium rubber band this side will be the bottom of the manatee.
- 4. On the bottom of the manatee about three inches from the mouth, pinch out fiber-fill and secure the sections for flippers on either side with small rubber bands.
- 5. The toe seam of the stocking is the mouth of the manatee add eyes and nostrils about an inch from the mouth.

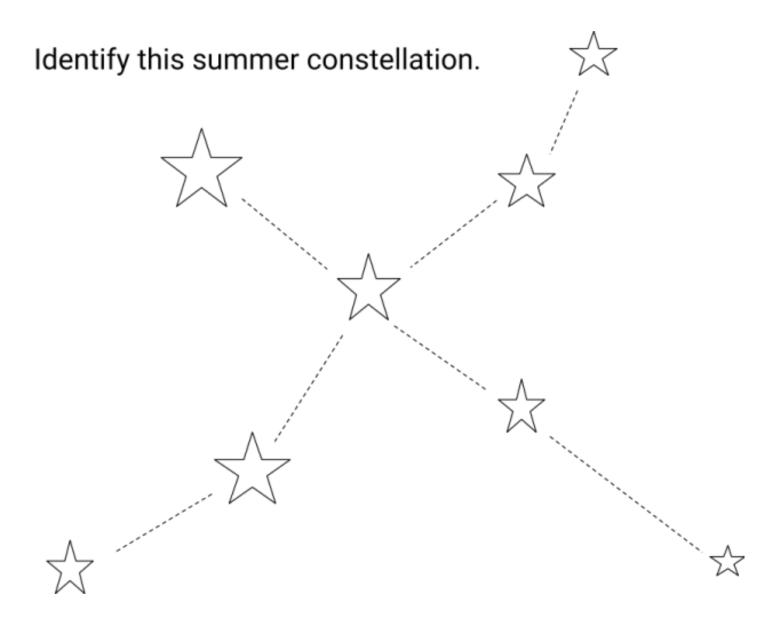






### Check out of SciTurday programmingour Saturday programming at the CLC this summer every 2nd and 4th Saturday





Go to www.challengertlh.com for the answer.



### Adopt an Ephemeral Wetland Word Search

Τ K S Η Τ  $\mathbf{E}$ N I R  $\mathbf{L}$ Р Ι Ι E E K X Z N K A Y В G W W Q  $\bigcirc$ A S Z Τ P  $\mathbf{L}$  $\mathbf{E}$ L W E  $\Box$  $\mathbb{D}$  $\mathbf{E}$ Τ Z CR Z F MX A Τ Q R A D Y A  $\mathbb{L}$ X Η R F M Н N  $\bigcirc$  $\Box$  $\bigcirc$ Ν P X  $\mathbf{E}$ A Ι A U A IJ T, N Ţι  $\bigcirc$  $\bigcirc$ Z N MN Ι P B W  $\mathbf{L}$ A F  $\mathbf{E}$ B MW S K Τ E Z A CR U D  $\mathbb{D}$ B 0 0 S S M I  $\mathbf{E}$ E  $\mathbf{L}$ I L Η N A S Τ Τ Y R A Н M A  $\bigcirc$  $\mathbb{D}$ P  $\mathbf{E}$ Τ X N J  $\bigvee$ P P S E  $\overline{\mathsf{W}}$ M W  $\Box$ M W Z G  $\bigvee$ K Ι R  $\mathbb{L}$ I P Ι M R W  $\mathbb{L}$ Τ Н В A A A P Q F B G G  $\bigvee$ Z  $\mathbf{L}$ E R K F U G Q  $\mathbb{D}$  $\bigcirc$ G  $\bigcirc$  $\mathbf{E}$ E A J E A Z  $\bigvee$ R MA X X U

AMPHIBIAN
AQUATIC
DIPNET
EGG
EPHEMERAL

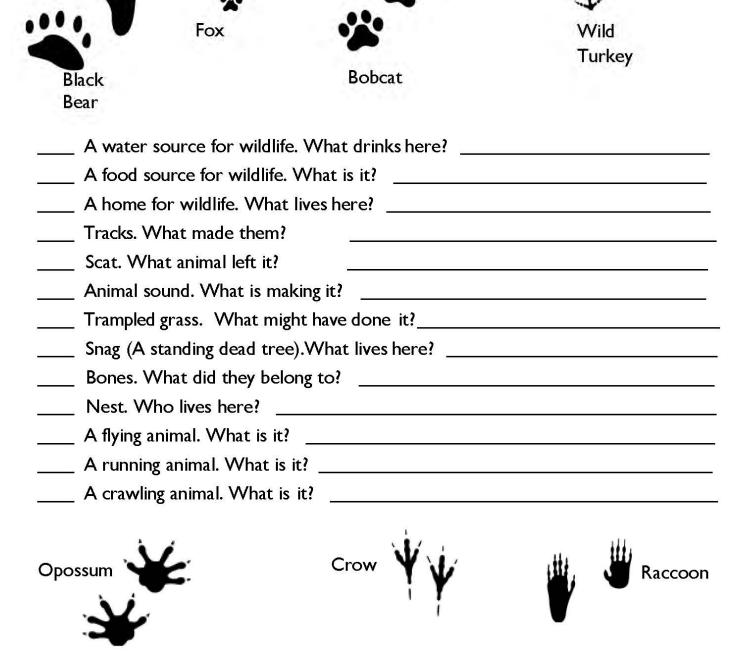
FROG
HYDROPERIOD
LARVAE
MONITOR
POND

SALAMANDER
SANDHILLS
TADPOLE
VOLUNTEER
WETLAND



### Wildlife Checklist

Because St. Marks is a National Wildlife Refuge, every living and non-living thing found on the refuge is protected by law to help preserve the wildlife, habitat, and special resources. As you hike through the refuge, try to find as many Wildlife Checklist items as you can. Mark off each item on your list, but leave everything as you find it, so other visitors can have the same opportunity to discover it for themselves. Then see if you can answer the bonus questions.







# CHRONICLES

0 M C U Ε R Ε N S D A D R Е N G C G E N L N L O B S G D Е D Е S

### **WORD SEARCH**

Chronicles Kayla
Adventure Comic
Friends Reading
Travel Dragon
School Run

### **DID YOU KNOW?**

"TSKTSKS" is the shortest word with the most consecutive consonants!

"EUOUAE" is the longest word with only vowels!









a small dome, especially a small dome on a drum on top of a larger dome, adorning a roof or ceiling

Dome

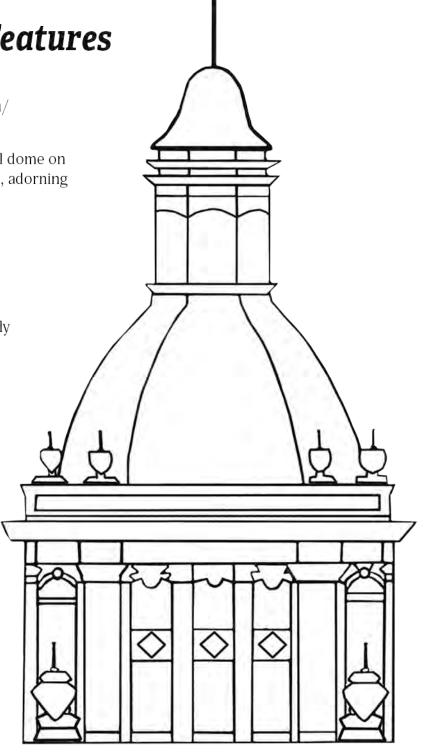
/dōm/ noun

a rounded vault forming the roof of a building or structure, typically with a circular base

### Since 1845,

the Historic Capitol has symbolized Florida state government. Restored to its 1902 appearance, the Historic Capitol stands as an icon at the center of Florida's Capitol Complex; the modern-day nerve center of Sunshine State government. Under the stained glass dome, political history and tradition come alive in the exhibits. Through photographs, recordings, and audio visual displays, visitors experience the people and events that have shaped today's Florida.

The Museum is free and open every day, except Thanksgiving day and Christmas day.



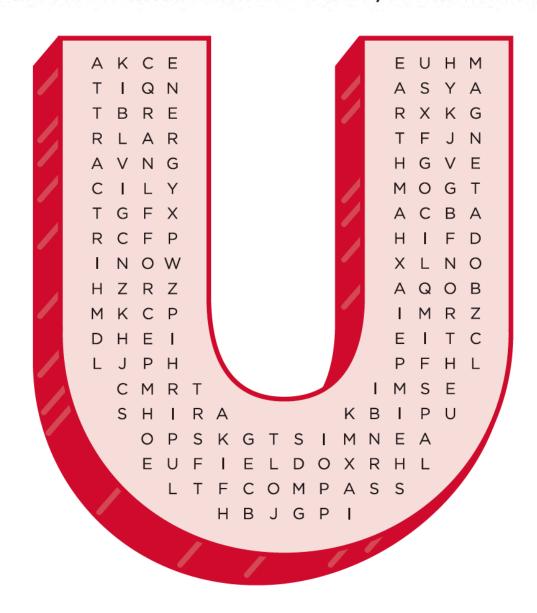
Scavenger hunts are available for all ages!





# **Attractive Word Search**

There are 10 words hidden below. Can you find them all?



ATTRACT EARTH FIELD MAGNET REPEL COMPASS ENERGY FORCE NORTH SOUTH

# **Summer Mad Libs**

from your friends at the Early Learning Coalition of the Big Bend Region

Reading is fun! I love to read in the		
with my My favorite FAMILY MEMBER		
books are about I learned		
they love to eat from a book		
called, ": TheKing ofKing of		
the" Sometimes, I like		
to drink a cup of and eat		
while I read. I can borrow		
books from the or buy them PLACE		
in a I hope to readNUMBER		
books this summer!		
www.elcbigbend.org 850-385-0504 info@elcbigbend.org		

# Paint a Landscape

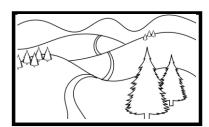
### What's a landscape?

Landscapes are views of nature, like trees, lakes, beaches, and mountains!



### STEP BY STEP LANDSCAPE PAINTING

- Draw your landscape! First draw some wavy lines to create hills, or zigzag lines to create mountains. Try adding rivers or lakes to your drawing too.
- Add some details, like trees, grass, rivers, or more! Did you know that trees that are closer will look bigger and trees that are farther away will look smaller? Try using this technique in your drawing!



Once your drawing is ready, now it's time to paint! We recommend watercolor, but you can also use colored pencils, crayons, markers, or whatever you have handy! You could even cut out shapes from magazines and newspapers to create a collage.

Try drawing your landscape in different seasons. How might it look in winter? How might it look in summer?

Try going outside and drawing a landscape that you can see!

Tips & Tricks!

Try drawing a different perspective, like a flower up close, or looking up at the trees from the ground.



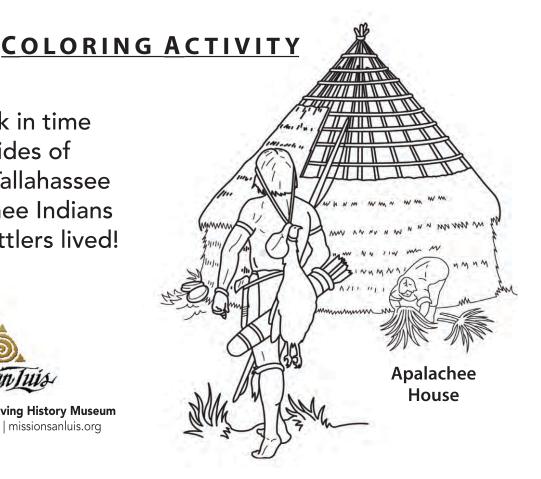
This activity is brought to you by the Gadsden Arts Center & Museum

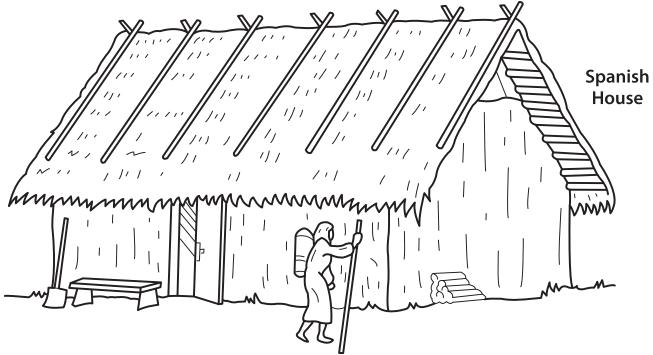


Journey back in time to the hillsides of 17th-century Tallahassee where Apalachee Indians and Spanish settlers lived!



Florida's Apalachee-Spanish Living History Museum 2100 West Tennessee Street | missionsanluis.org





From 1656 to 1704, Mission San Luis served as the principal village of the Apalachee and was the Spaniards' westernmost military, religious, and administrative capital.

At our historic site, villagers (living history staff in period costume) share the stories of the people who once lived here. Use our virtual tour and other virtual programs to experience the actual reconstructed Spanish House, Apalachee Council House, and more!



# Tíka's Wild Backyard

# Summer Challenge Activity Sheet

If you would like to see all sorts of cool and unusual critters, you do not have to spend a day at the zoo... you merely have to explore your own backyard!

See how many of these bac	kyard crítters you	can find:
☐ Northern Cardinal	☐ Butterfly	🗆 Squirrel 🔍
□ Earthworm	□ Spider	□ Snake
☐ Ants	□ Fly	☐ Beetle
□ Honeybee	☐ Turtle	□ Moth
□ Snaíl	Lízard	□ owl
□ Blue Jay	□ Frog	□ Caterpíllar

Draw a picture of your favorite backyard critter:



Does your critter have: (circle your answers)

Teeth Fins a shell Fur Paws

Eyes Scales Legs Claws Beak

Tail Mouth Hands Wings Feathers

# Design a Gorget

**Materials** 

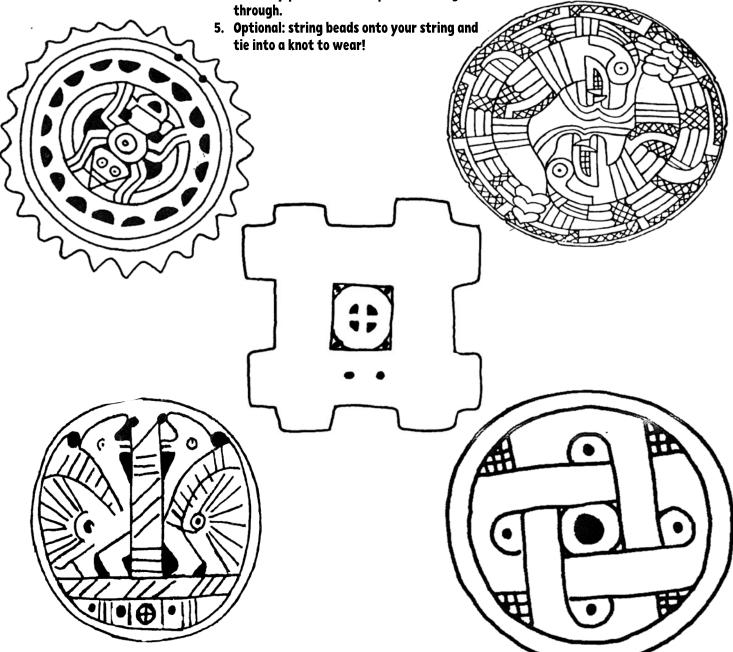
Crayons or Markers, scissors, string, glue or tape

**Optional: Beads** 

### **Directions**

- 1. Select your favorite design and color it in
- 2. Carefully cut out your gorget design
- 3. Cut out the string to fit as a necklace

4. Glue or tape the gorget to your string OR carefully poke a hole and pull the string through



This activity sheet was created after discussions with Dan Penton, Mekko, Muscogee Nation of Florida, and Mekko and former Heles Hayv of the Ekvnv Hutke Tvlwv, White Earth Tribal Town, who said "handling, copying, discussing and playing with these sacred symbols must be done with a good heart, and all children have good hearts."

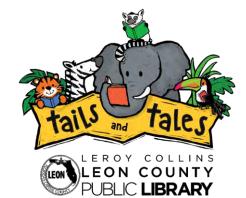
Gorget Designs Source: Fundaburk, E. L., & Foreman, M. D. F. (Eds.). (2001). Sun Circles and Human Hands: The Southeastern Indians Art and Industries. University of Alabama Press.

Visit: A Molly of Denali inspired Virtual Museum wfsu.org/education/molly-of-denali-virtual-museum/

Powered by a

**Ready To Learn Grant** 





www.LeonCountyLibrary.org

850-606-2665

# ANIMAL SUMMER ADVENTURE WORD SEARCH

Search and find all the amazing things you will discover this summer at the LeRoy Collins Leon County Public Library! Check our calendar to discover virtual animal adventure programs all summer long:

https://tinyurl.com/LCPLCalendar

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Turtle
Tortoise
Dog Man

Opossum Kinkajou Owl Bingo

Pellet
Food Chain
Reptile





CULTURAL RESOURCES ACTIVITY Look for the different types of cultural resources in this park. On the BINGO board below, draw an "X" in the square for each type of cultural resource you find. You may have to visit more than one park to get bingo. When you have marked four squares in a row (side to side), column (up and down), or diagonally (corner to corner)-you win!

