Welcome to a Summer of Fun!

WFSU's Summer Challenge: Level Up Land!

Participate in WFSU's annual Summer Challenge by completing activities in the Summer Challenge Checklist, found in the center of this activity book and online at wfsu.org/Summerchallenge. As you check items off, earn points to win prizes at the end of the summer! Not only will you win points and prizes, but you will level up in all sorts of subjects and skills!

This year's Summer Challenge launches our Ready To Learn “Learning Neighborhood” called: Level Up Land! Level Up Land is modeled on our North Florida home and so are our challenges. Each challenge is designed to help children level up in reading, communication, observing, problem-solving, and more. Families can strengthen all kinds of skills by using every day activities and exploring places close to home! Every bit of knowledge gained and skills practiced strengthens your child and prepares them for the ultimate challenge, entering the World of Work! In between challenges, tune in to WFSU-TV and WFSU.org and be inspired by our many programs, local videos, apps and games all summer long!

WFSU's Summer Challenge and our Level Up Land! Initiative was inspired by the brilliant Community Classroom Consortium, a coalition of more than 30 cultural, scientific, natural history, and civic organizations in North Florida and South Georgia. Their Passport to Adventure program has evolved into this Activity Guide with challenges. We have so many amazing partnership that have made Level Up Land! possible. They are featured in this booklet along with our wonderful sponsor, Envision Credit Union. Thank you all for helping us Level Up!

Questions about Summer Challenge? Email WFSU Education: education@wfsu

To learn more about the CCC, find us on Facebook @CommunityClassroomConsortium

Powered by a
Ready To Learn Grant
WFSU Summer Day Programs at the Library

Join us for a series of special **day programs** and family open houses at select Leon County Library locations. Each program weekend will feature activities from PBS KIDS shows such as Cyberchase, Molly of Denali, and more!

On **Fridays**, we are offering free day programs for pre-registered children to be dropped-off in the program room. **Pre-registration is required.**

On **Saturdays**, we are offering free drop-in programs for parents/guardians and children to learn together with hands-on activities.

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**Day Program Details**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friday, June 10</td>
<td>10 am</td>
<td>Woodville Branch Library, 8000 Old Woodville Rd</td>
</tr>
<tr>
<td>Saturday June 11</td>
<td>Noon</td>
<td></td>
</tr>
<tr>
<td>Friday, June 24</td>
<td>10 am</td>
<td>Eastside Branch Library, 1583 Pedrick Rd</td>
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<tr>
<td>Saturday June 25</td>
<td>Noon</td>
<td></td>
</tr>
<tr>
<td>Friday, July 8</td>
<td>10 am</td>
<td>LeRoy Collins Leon County Library Main Branch, 200 W Park Ave</td>
</tr>
<tr>
<td>Saturday July 9</td>
<td>Noon</td>
<td></td>
</tr>
<tr>
<td>Friday, July 22</td>
<td>10 am</td>
<td>B.L. Perry Branch Library, 2817 S Adams St</td>
</tr>
<tr>
<td>Saturday July 23</td>
<td>Noon</td>
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</tr>
<tr>
<td>Friday, August 5</td>
<td>10 am</td>
<td>Lake Jackson Branch Library, 3840 N Monroe St # 300</td>
</tr>
<tr>
<td>Saturday August 6</td>
<td>Noon</td>
<td></td>
</tr>
</tbody>
</table>

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**To pre-register visit**
[www.wfsu.org/summerchallenge](http://www.wfsu.org/summerchallenge)

**Questions?**
Email education@wfsu.org

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**Season 3 of WNET’s Camp TV is here!**

Join us throughout the summer on WFSU-TV to watch kids from all over the country read books.

How many of the books on this checklist will you read this summer?

Our friend, Maya, from Maya’s BookNook, will be reading “Not Quite Narwhal” by Jessica Sima.

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- **Shiver Me Letters** by June Sobel (Author), Henry Cole (Illustrator)
- **The Invisible String** by Patrice Karst (Author), Joanne Lew-Vriethoff (Illustrator)
- **Night at the Fair** by Donald Crews (Author, illustrator)
- **A Stone Sat Still** by Brenden Wenzel (Illustrator)
- **Splashdance** by Liz Stavin (Author)
- **Mustache Duckstache** by Amy Young (Author), Aj Young (Illustrator)
- **Have You Filled a Bucket Today?: A Guide to Daily Happiness for Kids** by Carol McCloud (Author), David Messing (Illustrator)
- **Tiny, Perfect Things** by M. H. Clark (Author), Madeline Kloepper (Illustrator)
- **I am Love: A Book of Compassion** by Susan Verde (Author), Peter H. Reynolds (Illustrator)
As we look forward to the ARTEMIS Mission returning people to the moon for the first time in nearly 50 years, we remember the Apollo lunar landings that came first.

**CHALLENGE:**
Plan, design and construct a tin foil model of the ARTEMIS Lunar Lander. Let your imagination soar to new heights and build your version of what the ARTEMIS Human Landing System may look like.

Come to the Challenger Learning Center to see a 1/3 scale model of the Apollo Lunar Module. While you’re here, see a movie at our IMAX Theatre or the Downtown Digital Dome!
MEET SURFER, THE STRIPED NEWT!

Striped newts are rare salamanders found only in Florida and Georgia. Each newt has a stripe pattern that is unique! Use the outline to draw and then color your own unique newt. Better yet, join us at one of our monthly Dipnetting Days and learn all about striped newts and other amazing amphibians.

The name of my newt is: 

COASTALPLAINS.ORG
SCAVENGER HUNT

In celebration of 20 years of *Cyberchase*, go on a scavenger hunt to find these 20 different things. To keep track of all the items you find, cross out each box as you go.

<table>
<thead>
<tr>
<th>FIND</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. <strong>Something green</strong></td>
</tr>
<tr>
<td>2. <strong>Something round</strong></td>
</tr>
<tr>
<td>3. <strong>Something that makes noise</strong></td>
</tr>
<tr>
<td>4. <strong>Something you love</strong></td>
</tr>
<tr>
<td>5. <strong>Something you can use to measure</strong></td>
</tr>
<tr>
<td>6. <strong>Something with a number on it</strong></td>
</tr>
<tr>
<td>7. <strong>Something that keeps you warm</strong></td>
</tr>
<tr>
<td>8. <strong>Something that goes on your head</strong></td>
</tr>
<tr>
<td>9. <strong>Something that’s taller than you</strong></td>
</tr>
<tr>
<td>10. <strong>Something that comes in a pair</strong></td>
</tr>
<tr>
<td>11. <strong>Something with wheels</strong></td>
</tr>
<tr>
<td>12. <strong>Something that starts with “D”</strong></td>
</tr>
<tr>
<td>13. <strong>Something you can use to play sports</strong></td>
</tr>
<tr>
<td>14. <strong>Something that lights up</strong></td>
</tr>
<tr>
<td>15. <strong>Something that can open and close</strong></td>
</tr>
<tr>
<td>16. <strong>Something shaped like a triangle</strong></td>
</tr>
<tr>
<td>17. <strong>The number 20!</strong></td>
</tr>
</tbody>
</table>

*Watch CYBERCHASE on PBS KIDS*
*Check local listings or visit pbskids.org/cyberchase*

*CYBERCHASE* is a production of THIRTEEN Productions LLC for The WNET Group. © THIRTEEN Productions LLC. All rights reserved. The PBS KIDS logo is a registered mark of PBS. Used with permission.
Florida State Parks are full of natural treasures.

Use your senses of sight, hearing, smell and touch to discover the treasures in this park.

Below are clues for treasures to find. Explore the park and write what you discover. Remember to never touch anything you are not sure is safe. Ask an adult for help first and always leave what you find where you found it.

Use your 🕵️‍♀️ to look for these clues.

Something red

Something older than you

Something which does not belong

Use your 🎧 to listen for these clues.

A nature sound

A human-made sound

Something which flies
People have five senses. For this activity you are only using four. What sense are you not using? ___________________________

Use your ______ to smell for these clues.

Something in the air ____________________________

Something on the ground ____________________________

Something in bloom ____________________________

Use your ______ to feel for these clues.  

![Warning sign: Ask parent or guardian first if something is safe to touch.]

Something soft ____________________________

Something rough ____________________________

Something round ____________________________

Treasures you sensed today could be harmed if they are not protected by Park Rangers.

Which of the items you sensed needs to be protected? How did you sense it?

________________________________________________________________________

________________________________________________________________________

How can you help Park Rangers protect the parks’ treasures?

________________________________________________________________________

________________________________________________________________________
### The Thing About Bees: A Love Letter by Shabazz Larkin

#### Book Summary
Have you ever felt scared because you didn’t know much about something? If so, you’ll love The Thing About Bees! A lot of things are scary until we learn more about them and what they do. Sometimes, the first step to not being scared of something is to learn three new things about it. Readers will follow along as the author explains the important role bees play in the world and teaches us that love can conquer fear after all.

#### Before Reading the Story
- Discuss what you see on the cover of the book.
- Make predictions on what the story may be about.
- Discuss what you already know about bees.
- Have you ever seen a bee up close? If so, discuss how you felt and where you were.
- Search for videos of bees pollinating.

#### Target Vocabulary
- **Pollen**: the very fine, usually yellow, dust that is produced by a plant
- **Pollination**: to move pollen from one plant to another
- **Nectar**: a sweet liquid made by plants and used by bees to make honey
- **Process**: a series of changes that happen naturally to produce something
- **Presto**: suddenly, as if by magic
- **Prance**: to walk or move in a lively and proud way
- **Sting**: to cause a quick, sharp pain
- **Picnic**: a meal that is eaten outdoors
- **Drizzle**: to pour a small amount of liquid over something
- **Mood**: the way someone feels
During the Story

- Read the book aloud to your child.
- Make predictions about the text based on the illustrations.
- Provide definitions and connections for any of the target vocabulary words that may be unfamiliar.
- Ask questions throughout the story to help your child comprehend what’s being read.
- Have your child repeat unfamiliar words.

After Reading the Story

- Have your child retell the story in their own words using the pictures.
- Using materials available (e.g. paper, pencils, markers, crayons), create a picture or poem about bees.
- Discuss three new things the book taught you about bees.
- Discuss the traits of a nice bee and compare them to the traits of a rude bee.
- Google or search Youtube for videos about beekeepers. Discuss what you learned from your search.

Example Questions to Ask

- What is the worst thing of all about bees?
- When bees sneak up behind you they fill you with ______.
- Bees help pollinate the plants that give us our favorite fruits and vegetables. Tell me about some fruits and vegetables that you love.
- Why would life without bees be sad?
- How did the narrator explain that bees are just like you?
- Tell me about a time you were in a bad mood. How did your parents help you feel better?
- What happens when a bee and a flower love each other?
CAMPAIGN BUTTONS

People who run for office make campaign buttons that remind voters to vote for them or certain issues on election day. Color, decorate, and cut out the campaign buttons below. Then tape them to your shirt to show your support! Visit us to see our newest exhibit, all about campaigning, in July 2022.
SILLY SPEECH GENERATOR

First, fold the right half of page behind the left. Then on the left side below, in the blank spaces, write a word matching the requested part of speech. You can do this alone or with a friend. When you are finished, flip the page and write your words, in order, onto the blank lines of the speech. Read the completed speech aloud and enjoy the silliness.

Plural Noun: __________________________
Noun: __________________________
Verb: __________________________
Adjective: __________________________
Adjective: __________________________
Number: __________________________
Verb: __________________________
Plural Noun: __________________________
Plural Noun: __________________________
Adjective: __________________________
Adverb: __________________________
Famous Person: __________________________
Noun: __________________________
Plural Noun: __________________________
Adjective: __________________________
Verb: __________________________

Noun: a person, place, thing or idea (cat, Florida, party)
Plural Noun: more than one, a group, sometimes ends in “s” (cats)
Verb: an action word that tells a noun what to do (run or jump)
Adjective: a describing word (shiny, tall, or great)
Adverb: tells more about a verb. Answers the questions how, when, where, how often, and in what way. Sometimes ends in “ly” (slowly)

Fellow __________________________
(plural noun)
Thank you for your __________________________
(noun)
as I __________________________ before you today
(verb)
as the __________________________ governor of
(adjective)
this __________________________ state. Over the next
(adjective)
(number) years, our state shall __________________________
(verb)
the best system of government and will support
(plural noun)
I guarantee __________________________ will only get
(plural noun)
________________________ in this administration. Our
(adjective)
future as Floridians is __________________________
(adverb)
promising. Finally, in the words of
________________________, the purpose of
(famous person)
________________________ is to be in the service of the
(noun)
people, by the __________________________, and for the people.
(plural noun)
I respectfully take on the __________________________ task of
(adjective)
serve to __________________________ the citizens to success.
(verb)
Archaeology Activities Online

Looking for something to do on a rainy day this summer? Check out these free online activities!

In Ancient Graffiti we look at how people in the past told stories by drawing pictures. Can you tell a story with a drawing?

For thousands of years, people have been drawing stories on cave walls. What they mean, we don’t always know, but archaeologists using both the drawings and artifacts are always trying to understand them better.

This activity will guide you in learning about and making your very own cave art stories.

SMASH POT

Make your own artifact puzzle!

When archaeologists look for signs of past people, they almost never find a nice, whole pot. All they find are the bits left over and they must put those pieces together to see what they can learn. Sometimes those pieces even fit together like a puzzle!

In Smash Pot you will get to decorate a terracotta saucer, smash it, and then try and put it back together! This is a 60-90 minute activity that is excellent for 6 and up.
Spider Web Exploration

Adapted from "Growing Up WILD: Exploring Nature with Young Children.

Materials:

- Large sheet of dark colored paper
- 2 rolls ½ inch tape, one roll should be double-sided tape

Procedure:

1. Create a spider web pattern on the large sheet of darkly colored paper. Use the single-sided tape to create the “spoke” pattern. Use the double-sided tape for the spiral pattern.

2. Have children “walk” across the different strands of the using the tips of two fingers. Some strands on a spider’s web are sticky, others are not. A spider does not stick to its web because it tiptoes.

3. Have children lay a flat palm on the web (like an insect flying into the web). Their hand sticks because it touches multiple strands at once.

4. Follow up this activity with outdoor exploration by looking for different spiders and their webs. Identify spiders you find using Seek by iNaturalist. (smartphone app)

A tactile activity for learning about spider webs. Summer is a great time to explore the diversity of spider webs outdoors!

Use single sided tape to create this pattern

Use double-sided tape to create this pattern over the single sided tape.

Exploring the web with fingers.

A Golden-silk Orb Weaver (banana) spider on web
Activity: Scavenger Hunt
Throughout the summer, see if you or your child can find these items. Then, sit and play “I Spy” together. This is a great vocabulary building game, where children LOVE to “stump” their parents! Rainy day? Find a few children’s books about summer and see how many of these items your child can “spy” as you read the story.

Summer Scavenger Hunt

To Find

- A Daisy
- Fruit Growing
- A Feather
- A Shell

To Look For

- Ladybug
- Rainbow
- Lightning Bug
- Reflection In The Water
- Dragonfly
- Spider’s Web
- Butterfly
Start

Keep a journal of books you read this summer. +5 points per book

Try new foods all summer long! Keep a journal of each new food. +5 points per food

Invent your own card game or board game. +10 points

Write and mail letters to a summer pen pal. +5 points per letter

Visit The Grove Museum and ask staff for a scavenger hunt to complete. +10 points

The MagLab is home to the strongest magnets in the world! Experiment to find the strongest magnets in your home. (Always keep magnets away from electronics and computers!) +10 points

Learn more about careers by visiting pbslearningmedia.org to search for and watch "Career Connections" videos. +5 points per video

Plant a pollinator friendly garden. Visit wfsu.org/beegarden for more info. +15 points

Sign up for a Leon County Public Library card online. www.LeonCountyLibrary.org/LibraryCard
Your library card is powerful! Books, Kanopy and a Library of Things! +10 points

What are you grateful for? Keep a summer gratitude tracker. +10 points
Summer Challenge Checklist
Level Up Land!
Submit your checklist by August 8 to win fun PBS KIDS prizes. Follow WFSU Education on Facebook or check wfsu.org/summerchallenge for more info.

Visit pbslearningmedia.org and search for “Camp TV” to find videos and activities to try. +5 points per activity

Visit the Florida Historic Capitol Museum to complete a scavenger hunt. +10 points

Take daily walks with your family or friends. +5 points per walk

Build a fort with boxes or blankets in the yard or in the house. +10 points

Complete at least 5 Cyberchase Green It Up! Kids Can Help activities (can be found in this activity booklet and on wfsu.org/education). +10 points

Total Points

Finish

@WFSUEducation
wfsu.org/education
Scouting for insects is an important part of every gardener's day. Can you find the 10 insects hidden in the flowers?

Monarch  Monarch  Walking  Ladybug  Dragonfly  Beetle  
Butterfly  Caterpillar  Stick  Bee  Ant  Fly  Grasshopper

What insects can you find outside? Look at flowers, under leaves and more to scout for these six legged creatures.
KIDS CAN HELP!

CHECKLIST

We can all take care of the environment by making helpful choices every day. Check off the boxes for the items on the list that you do to help:

Appreciating Nature
☐ Leave nature where you find it. Don’t pick wildflowers or bring home natural objects. Take pictures instead of bringing home souvenirs!
☐ Stay on trails when hiking.

Composting
☐ Create a compost bin at home.
☐ Bring food scraps from home to a local farmer’s market or garden that composts if there is one near you.

Coral Reefs
☐ Throw away trash properly. Litter often ends up in water that runs into the ocean and hurts marine habitats.
☐ Use reef-safe sunscreen.

Deforestation
☐ Look for recycled paper products or those with “Sustainable Forestry Initiative” labels.
☐ Look out for foods that have “palm oil” listed as an ingredient and try to find something else or buy a “Rainforest Certified” product instead. Companies cut down large rainforests to grow palm oil trees to make the oil.

Gardening
☐ Plant a container garden either in your yard, on a porch, or inside by a window.
☐ Learn how to use leftover greens in the kitchen, like celery, lettuce, and pineapple, to plant new fruits and veggies.
☐ Help at a local community garden with planting, weeding, picking, and caring for plants.

Food Waste
☐ Take a small portion on your plate at first, so that leftovers can be saved more easily.
☐ Don’t throw away fruits or veggies with small bruises. Cut off the bruised part and eat the rest.

Migration
☐ In the fall and the spring, when birds are migrating, try to keep lights off at night. Birds can sometimes fly towards the lights and hit your windows by accident.
☐ Make your windows obvious with decals, UV stickers, screens, or other decorations.

Pollinators
☐ Plant pollinator-friendly flowers that are native to your area. Research online to see what you should plant.
☐ Be nice to bees! The best way to avoid being stung is to stay calm and not disturb them.

Sustainable Design
☐ Bring your lunch in a reusable lunchbox or bag instead of a paper one.
☐ Choose to fix items when they break rather than throwing them away and getting something new.

Trees
☐ Get involved with tree planting!
☐ Be kind to trees by not carving into them or letting pets go to the bathroom on them.

Learn more about all these topics at wnet.org/Education/GreenItUp
Scouting for insects is an important part of every gardener's day. Can you find the 10 insects hidden in the flowers?

Monarch Monarch Walking Ladybug Dragonfly Beetle
Butterfly Caterpillar Stick Bee Ant Fly Grasshopper

What insects can you find outside? Look at flowers, under leaves and more to scout for these six legged creatures.
LEVEL UP BINGO

Level up by completing this fun bingo with skills to get your little one ready for school! Join one of the Leon County Public Library's Story Times for more skill building fun while we read, sing, and play! Check our calendar for a Story Time near you: tinyurl.com/LCPLStoryTime

BUILD A TOWER WITH A FRIEND
SHARE A BOOK
COLOR A PICTURE FOR SOMEONE
READ A BOOK ABOUT CARING
READ A BOOK WITH A FAMILY MEMBER
DONATE A TOY TO CHARITY
HELP CLEAN UP AFTER DINNER
SEND A THANK YOU CARD TO SOMEONE
PLAY A GAME TO PRACTICE TAKING TURNS

www.LeonCountyLibrary.org
850-606-2665
COLORING ACTIVITY

Just like today, the Apalachee Native peoples and Spanish settlers who lived at Mission San Luis over 300 years ago learned many different skills that helped them every day. Each group learned skills in communication - or the ways that people exchange information.

The Spanish friars (priests) at San Luis were good writers in order to record important information on paper. The Apalachee people, on the other hand, used mostly oral communication (speaking) to pass down information about their laws, history, and culture.

Communication - both writing and speaking - are very important skills that we learn today as well!

Quill pens were used in the past for writing -- instead of the pencils and pens we use today. Quills are feathers from birds that were cut on one end to make a pen “nib.” This pointed end was dipped in ink to write on paper.

Journey back in time to 17th-century Florida at Mission San Luis!

Tuesday-Sunday 10 am - 4 pm

Mission San Luis
Florida’s Apalachee-Spanish Living History Museum
2100 West Tennessee Street | missionsanluis.org
Florida is well known all over the world for its gorgeous tourist attractions! The state’s tourism industry opened the state by land, air, and sea. One notable person who really helped Florida ‘level-up’ and put the state on the map was Henry __________. He built elaborate luxury hotels that drew in tourists from all over!

At the Museum of Florida History, we showcase exciting and informative exhibits on 12,000 years of Florida’s history and culture. Our curators, designers, and educators all work together to bring the past to life!

Visit us at:
500 South Bronough Street
museumoffloridahistory.com
850-245-6400
Free Admission and Parking
Birds in Flight: Migration Maze

Birds use the Earth’s magnetic Field to find their way when they migrate. Many birds migrate to warmer places during the winter to escape the cold.

Find your way from the cold winter to the warm weather in the maze below.

For more activities head to: NationalMagLab.org/Education/Magnet-Academy

The National MagLab is funded by the National Science Foundation and the State of Florida.
The Tallahassee Museum seeks to transform people’s lives, community, and the world through an enhanced understanding of our region's natural and cultural environments.

The Tallahassee Museum has a collection of Jim Gary’s dinosaurs. Jim Gary was an artist who turned recycled car parts into amazing works of art; mainly dinosaurs. From using vehicle brake shoes as dinosaur feet to a VW roof for an Ankylosaurus shell, his creativity was astounding. He had to use his problem-solving skills to make each piece fit perfectly together to create these larger-than-life metal dinosaurs. Here are some different ideas for you to use recycled materials for your own dinosaur art projects.

**Dino Plant Holder**

**Materials:**
Plastic dinosaur  
Box Cutter or sharp cutting tool  
Small plant  
Paint

1. With an adult’s help, cut a hole in the back of plastic dinosaur.  
2. Paint the dinosaur with your favorite colors.  
3. Add some soil and a small succulent plant, and you now have a fun planter!

**DIY Dino Feet**

**Materials:**
2 recycled tissue boxes  
Markers  
Old sponge  
Glue or hot glue  
Scissors

1. Remove the plastic interior from the tissue boxes.  
2. Color the tissue boxes.  
3. Draw 6 triangles into an old sponge and cut them out.  
4. Glue 3 triangles to each box to make them look like claws.  
5. Wait for them to dry and now you have your own dino feet.
LICHEN SCAVENGER HUNT

Search for these lichens and their look-alikes around the grounds. Once you think you’ve found it, see the next page for a cool fact!

- Central Chord
- Apothecia
- Fruticose Form
- Growing on rock
- Soredia
- Foliose Form
- Growing on a leaf
- Christmas Wreath Lichen
- Crustose Form
- Cilia
- Reindeer Lichen
<table>
<thead>
<tr>
<th><strong>Fruticose Growth Form</strong></th>
<th><strong>Apothecia</strong></th>
<th><strong>Central Chord</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pronounced: fruit-ee-kose</td>
<td>Pronounced: apo-these-ee-uh</td>
<td>The lichen <em>Usnea</em> can be identified by the elastic-like chord that runs through it. Even though many other lichens look like <em>Usnea</em>, no other lichens have the chord.</td>
</tr>
<tr>
<td>The fruticose (branching) growth form is common for lichens found on branches or on the ground. Fruticose lichens look like coral or tiny bushes.</td>
<td>These cup-like structures are the reproductive parts of the lichen. The fungal partner releases spores from the apothecia.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Soredia</strong></th>
<th><strong>Lichen Growing on Rock</strong></th>
<th><strong>Moss</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pronounced: Sore-iddy-uh</td>
<td>Many lichens grow on rocks, including gravestones. Some crustose lichens can even grow inside solid rock, between the grains. These lichens are called endolithic (endo = within, lithic =rock).</td>
<td>Although they look suspiciously similar, mosses are not the same as lichens. A moss is a type of plant. If you look closely you can see that moss has leaves.</td>
</tr>
<tr>
<td>These tiny bumps on the surface of the lichen are also reproductive parts. The fungal partner releases spores from the soredia.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Christmas Wreath Lichen</strong></th>
<th><strong>Lichen Growing on Leaves</strong></th>
<th><strong>Foliose Growth Form</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><em>(Herpothallon rubrocinetum)</em></td>
<td>In tropical climates lichens can even grow on leaves! These lichens are called foliicolous (folii = leaves, colous = living on). Foliicolous lichens choose leaves that stay green year-round, like Magnolias.</td>
<td>The foliose (leaf-like) growth form is one of the most common for lichens. Foliose lichens appear “leafy” but those lobes are not leaves! You won’t find veins or stems.</td>
</tr>
<tr>
<td>The Christmas wreath lichen, gets its nickname from the red ring that makes it look like a tiny wreath. This lichen is common in Florida’s forests, but rare at The Grove.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Reindeer Lichen</strong></th>
<th><strong>Crustose Growth Form</strong></th>
<th><strong>Cilia</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><em>(Cladonia)</em></td>
<td>Pronounced: krust-oh-ss</td>
<td>Pronounced: silly-uh</td>
</tr>
<tr>
<td>Reindeer lichen, better known as reindeer moss, is not a moss at all. Reindeer lichens provide food for reindeer and other deer species. This lichen is common in Florida’s forests, but rare at The Grove.</td>
<td>The crustose (crusty) growth form is common for lichens on trees or rocks. Crustose lichens look like little circles of spray paint.</td>
<td>These hair-like structures are found on the tips of some lichen. Very little is known about the purpose of cilia. Some scientists think they help collect water or discourage predators.</td>
</tr>
</tbody>
</table>
Throughout your life you will be changing... as you grow, learn new information, gain new skills, and experience new things. When you are 50 years old you will be very different than you were when you were 5. The same is true for our Wild Backyard Critters. Many of the wildlife around us looks much different than they did when they first entered the world. See if you can match the young critters with their Leveled-Up versions:

Environmental programs for all ages!
TikasWildBackyard@gmail.com
Halves of Even Numbers

<table>
<thead>
<tr>
<th>Number</th>
<th>2</th>
<th>4</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>20</th>
<th>30</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>70</th>
<th>80</th>
<th>90</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Half</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td>25</td>
<td>30</td>
<td>35</td>
<td>40</td>
<td>45</td>
<td>50</td>
</tr>
</tbody>
</table>

Examples
Half of 36 = Half of 30 + half of 6 = 15 + 3 = 18
Half of 58 = half of 50 + half of 8 = 25 + 4 = 29

Work out the answers to these questions.

1. Half of 28  = half of 20 + half of 8  = 10 + 4  = ____
2. Half of 46  = half of 40 + half of 6  = ____+____ = ____
3. Half of 34  = half of ____ + half of ____ = ____+____ = ____
4. Half of 88  = half of ____ + half of ____ = ____+____ = ____
5. Half of 62  = half of ____ + half of ____ = ____+____ = ____
6. Half of 56  = half of ____ + half of ____ = ____+____ = ____
7. Half of 44  = half of ____ + half of ____ = ____+____ = ____
8. Half of 78  = half of ____ + half of ____ = ____+____ = ____
9. Half of 86  = half of ____ + half of ____ = ____+____ = ____
10. Half of 92 = half of ____ + half of ____ = ____+____ = ____
11. Half of 54 = half of ____ + half of ____ = ____+____ = ____
12. Half of 76 = half of ____ + half of ____ = ____+____ = ____
### Unscramble Each of the Sentences

<table>
<thead>
<tr>
<th>monster</th>
<th>Max</th>
<th>grey</th>
<th>a</th>
<th>has</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>funny</th>
<th>feet</th>
<th>smell</th>
<th>monster</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>anyone</th>
<th>has</th>
<th>Maxs</th>
<th>boat</th>
<th>seen</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>like</th>
<th>climb</th>
<th>trees</th>
<th>to</th>
<th>monsters</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>sailboat</th>
<th>Max</th>
<th>a</th>
<th>has</th>
<th>red</th>
</tr>
</thead>
</table>
Elizabeth "Bessie" Hopkins was asked to write the history of Thomas County in 1951 and collected thousands of documents and photographs over the years that she worked on the project and interviewed many people.

There was no piece of the puzzle too small for Miss Bessie!

**Be Like Bessie**

Ask a family member or friend the questions on each piece and write their answers.

For those pieces without questions, ask them to give you a fact about themselves or draw a picture that represents them.

Together, the puzzle pieces make up their story!

thomasvillehistory.org
A-Z World of Work

Think of a career that you might want to learn more about that begins with each letter of the alphabet.

<table>
<thead>
<tr>
<th>a</th>
<th>n</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>o</td>
</tr>
<tr>
<td>c</td>
<td>p</td>
</tr>
<tr>
<td>d</td>
<td>q</td>
</tr>
<tr>
<td>e</td>
<td>r</td>
</tr>
<tr>
<td>f</td>
<td>s</td>
</tr>
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<td>t</td>
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<td>h</td>
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<td>x</td>
</tr>
<tr>
<td>l</td>
<td>y</td>
</tr>
<tr>
<td>m</td>
<td>z</td>
</tr>
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